

## SEQUENCE LISTING

<110> Yuqui, Jiang  
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<120> COMPOSITIONS FOR THE TREATMENT AND  
 DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE

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<141> 2000-04-17

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ctgttgatc tttccagtt ttgtttgggt atgccaccac agtcaccccc agggctctata	240
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&lt;210&gt; 4

&lt;211&gt; 293

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 4

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&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 5

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&lt;210&gt; 6

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 6

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&lt;210&gt; 7

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 7

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tgggccaggg atgaatatct gagggataaa aattgtgtaa gagccaaaga attggtagta      180
gggggagAAC agagaggagc tgggctatgg gaaatgattt gaataatgga gctgggaata      240
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<210> 9
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<212> DNA
<213> Homo sapien

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tggtccgttt caccaccagg cctttctcac ttatccacct cacatactgc cccagcattc      180
ctttggcatt gcgagctgtg acttgacaca ttttaatgac aagattgaag tagctacctt      240
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c                                                                                   301

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<210> 10
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<213> Homo sapien

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aagaaaaatt ctgcaaaagt agcaactaaa ccgtgatct gaaccactcg ctcatgggtg      180
gtaagcactg agtcaggag cattttgctg ccttgggtcc gcaactgcaa cacttctatg      240
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g                                                                                   301

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<210> 11
<211> 301
<212> DNA
<213> Homo sapien

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&lt;400&gt; 11

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ggtttgcac acacgtgact ggacagtgtc caattcaaat ctttcagggc agagtccgag 240
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t 361

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&lt;210&gt; 12

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 12

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gaggtctggg attacaggca cgtgcaccca caactagcta atttttgaga atggggctca 60
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c 361

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&lt;210&gt; 13

&lt;211&gt; 256

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 13

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aaaatgtata tgttaaaaaa cctcactctt tgattttcaa tacaacaaat gctttcttta 240
aaagaacaaq attcaa 256

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&lt;210&gt; 14

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 14

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tgtgatggtt caccacatc acacgcaact gtccagacaa gccccctcaa cgggtctgtg 300
t 361

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&lt;210&gt; 15

&lt;211&gt; 259

&lt;212&gt; DNA

&lt;213&gt; Homo sapien



&lt;400&gt; 15

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ctcaaggctg	ctggggccac					259

&lt;210&gt; 16

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 16

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agaactaggc	ctcttaattt	tggggtgctt	cttgactctt	agtcgggaaa	ctgaaaatat	240
ttccaaactt	ttacccactg	caatggcata	ttctgggaat	caccaccacc	accaccacta	300
c						301

&lt;210&gt; 17

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 17

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atacaaaaag	cttttttaac	caggatttct	tcctgcagga	aagctgaatt	ggaaacacgg	300
g						301

&lt;210&gt; 18

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 18

attacaggga	cgtgccacca	cacttagcta	atttttgagc	atggggctca	aaggaaactgc	60
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tcctcattcc	cctccttttt	taaaagtcaa	cgagagctct	cgttgactcc	acogaagaag	240
tgcacacatt	gggacacacc	agtgcacagc	gcctgtccag	ggacacacac	agtcttcaat	300
g						301

&lt;210&gt; 19

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 19

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agaatctctg cactgtcacc aggtacaaca aaagatcaaa cccctgtccc gatgttaaact    60
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acaatataca gctcttttaa gctgttcata tttttcccc attaaacacc tgcctcgggc    240
ggccaagggc gaattctgta gatatccacc acactggggc ccgtccgagc atgcatttag    300
a                                          361

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&lt;210&gt; 10

&lt;211&gt; 290

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 10

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ataccacagg ccccccataa acacaaaagg agggggcgaa gctgacatgg tctatttgga    240
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&lt;210&gt; 21

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 21

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agaaaggtaa ctgcccagca ggcctgcatt gtttagccag aaattgctgc ttggttctag    60
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&lt;210&gt; 22

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 22

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&lt;210&gt; 23

&lt;211&gt; 391

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 23

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&lt;210&gt; 24

&lt;211&gt; 214

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 24

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tcacacaaat	ctgaggtata	gcctgcatgc	caactaaaaat	aacaaagggt	tcaggggtgg	180
aaacattgtc	caacacactg	tcattgacct	cttc			214

&lt;210&gt; 25

&lt;211&gt; 302

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 25

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ac						302

&lt;210&gt; 26

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 26

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&lt;210&gt; 27

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 27

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tcaaatggaa atcatcttcc ctctgtacag attgcaatat ctgataatac cctcaacttt      180
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a                                          301

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&lt;210&gt; 28

&lt;211&gt; 286

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 28

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&lt;210&gt; 28

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 29

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ctccagggtc gctatgttgt tgggtctccc tacatccagc aagctccagc actttgtcaa      240
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a                                          301

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&lt;210&gt; 30

&lt;211&gt; 332

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 30

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gagcagaatt gatgcctatg gtcccaagtc aaatactgct aatctcatct attttcctgc      60
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ccaggcaatt aatttgcacc aagaaagttg agggatttat cagatatttg aatctgtaca      180
gagggaaagt gatttcaatt tgatttcaac ttaaccttca tctttgtctg ttaacactaa      240
tagagggtgt ctataaaaat ggtcaaatct gtgatctcat ttgttataac tagcactctt      300
ttcacagtgt tgatgactga tttccagcag ac                                332

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&lt;210&gt; 31

&lt;211&gt; 141

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

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<210> 32  
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caccacacta cataacccaa atagatgtga ggtccactgc actgatagcc agaactgctg 180  
gggtaaaact ttccagggag g 201

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tagagaaccc aactaattt attaaacagg atagaaacag gctgtctggg tgaatgggt 180  
c 191

<210> 34  
<211> 151  
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<400> 34  
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<210> 36  
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&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 36

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&lt;210&gt; 37

&lt;211&gt; 131

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 37

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c						150

&lt;210&gt; 38

&lt;211&gt; 200

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 38

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gctgctctgt	gctgctgtta					200

&lt;210&gt; 39

&lt;211&gt; 760

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 39

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&lt;210&gt; 40

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 <213> Homo sapien

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<210> 41  
 <211> 676  
 <212> DNA  
 <213> Homo sapien

<400> 41  
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<210> 42  
 <211> 468  
 <212> DNA  
 <213> Homo sapien

<400> 42  
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<210> 43  
 <211> 408  
 <212> DNA

<213> Homo sapien

<400> 43

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<210> 44

<211> 160

<212> DNA

<213> Homo sapien

<400> 44

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<210> 45

<211> 231

<212> DNA

<213> Homo sapien

<400> 45

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tcacctctgg ggggatgatg actgcttggc agcgttaggc tctgatagat ttgggagaaa	180
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<210> 46

<211> 371

<212> DNA

<213> Homo sapien

<400> 46

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<210> 47

<211> 261

<212> DNA

<213> Homo sapien



&lt;400&gt; 47

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&lt;210&gt; 48

&lt;211&gt; 701

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 48

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&lt;210&gt; 49

&lt;211&gt; 270

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 49

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aagtatttaa	attaacccact	cttttccacg				270

&lt;210&gt; 50

&lt;211&gt; 271

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 50

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acaataaaaa	gttgaacatg	cgcatactca	tgcatttccac	agaagattag	taaaactgat	180
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&lt;210&gt; 51

<211> 241  
 <212> DNA  
 <213> Homo sapien

<400> 51

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<210> 52  
 <211> 271  
 <212> DNA  
 <213> Homo sapien

<400> 52

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<210> 53  
 <211> 443  
 <212> DNA  
 <213> Homo sapien

<400> 53

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<210> 54  
 <211> 321  
 <212> DNA  
 <213> Homo sapien

<400> 54

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<210> 55  
 <211> 281  
 <212> DNA  
 <213> Homo sapien

<400> 56  
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 gaacagccca ccttgggttac agctagcaaa gatgggttaact tcaaagtatg gatattaaca 180  
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<210> 56  
 <211> 612  
 <212> DNA  
 <213> Homo sapien

<400> 56  
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 <211> 343  
 <212> DNA  
 <213> Homo sapien

<400> 57  
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<210> 58  
 <211> 750  
 <212> DNA  
 <213> Homo sapien

<400> 58

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&lt;210&gt; 5'

&lt;211&gt; 505

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 5'

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&lt;210&gt; 60

&lt;211&gt; 520

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 5'

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&lt;210&gt; 61

&lt;211&gt; 447

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 61

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&lt;210&gt; 62

&lt;211&gt; 83

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 62

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Lys Lys Val Leu Leu Leu Ile Thr Ala Ile Leu Ala Val Ala Val Gly
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Phe Pro Val Ser Gln Asp Gln Glu Arg Glu Lys Arg Ser Ile Ser Asp
 20              25              30
Ser Asp Gln Leu Ala Ser Gly Phe Phe Val Phe Pro Tyr Pro Tyr Pro
 35              40              45
Phe Arg Pro Leu Pro Pro Ile Pro Phe Pro Arg Phe Pro Trp Phe Arg
 50              55              60
Arg Asn Phe Pro Ile Pro Ile Pro Ser Ala Pro Thr Thr Pro Leu Pro
 65              70              75              80
Ser Glu Lys

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&lt;210&gt; 63

&lt;211&gt; 643

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 63

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gttccanng gaaagaggtc tgaacattca gctccattga atgtgaata ccaacgttga      550
cagcatgcat tcttgcatct tagccgaagt gagccactga acaaaactct tagagcacta      600
tttgaacgca tttttgtaaa tgt      683

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&lt;210&gt; 64

&lt;211&gt; 749

&lt;212&gt; DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(749)

<223> n = A,T,C or G

<400> 64

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tatttgcatt ttgtatttat tatctctgtg ttttccccc aaggcataaa atggtttact     180
gtgttccattt gaacccattt aatgatctct gttgtatatt tttcatgcca ctgctttggt     240
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gcaacagtat ttattgtcca gggctctctg cttaaaaatg aggaaggctc acattcctgc     360
aagcatttat tgagacattt gcacaatcta aaatgtaagg aaagttaagt attaaaaata     420
caccctctac ttgggcttta tactgcatat aaatttactc atgagccttc ctttgaggaa     480
ggatgtgtat cttcaaatba agattctagt tttattttga gctctgcata ctancaagat     540
gatctgaata cctctccctt gcatcaataa atagcctgtt tattctgaag tgagaggacc     600
aagtatagta aaatgctgac atctaaaaat aaataaatag aaaaacacag gccagaacta     660
tagtcatt ct caccacaaag gagaaattta aactcgaacc aagcaaaagg cttcacggaa     720
atagcatgga aaaaacaatg ttcagtggt      744
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<210> 65

<211> 612

<212> DNA

<213> Homo sapien

<400> 65

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gggtagggtt cagtgcacaa ttactgtgct ttgagaaaga ggaaggggat ttgtttggca     180
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accaacagga cactgactct aggtttatga cctgtccata cccgttccac agcagctggg     420
tgggagataa cactattttg tgactcttaa taaaataatg ggtctaggca acagtcttca     480
atggatgcta aaaacgattag gtgaaaagtt gatggagaat ttcaattcag ggggaattagg     540
ctgatacatc ctgaaaacct ttggcatcat taaaaatgtg acaacttggc ggtgcacagg     600
gaggaagggt ag      612
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<210> 66

<211> 703

<212> DNA

<213> Homo sapien

<400> 66

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gtagctcagc cccgccagct gcagacgcta attgtcaca cttccacaaa agctgccacg     180
accagcactt gtgttttgat tcttcttttt tccctggctc tcatcatctt gccagcttc     240
agtccatttc agagtgcacc agaagctggg tctgaggatt accagctca cggagtgaat     300
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gagaagatgg	gaggggaagc	aagaacccagt	ggggcccatc	gggcccgtgt	gcattgcagat	480
gagatgtgag	ctgggaacaga	ccctccctggc	ccactccctg	atcacaagga	atccctgggct	540
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atcactccag	gacaccccaa	gagatgtcct	ttagtctctg	cccgaggcct	agtctgcatt	660
tgtttgata	tatgagaggg	taactgcccg	gggggcccgt	aga		700

&lt;210&gt; 67

&lt;211&gt; 1022

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 67

cttgagaaaag	caggatttgt	tttaagttcca	agatttaaca	aaacttaactgt	tcagcatcat	60
atccaagcc	aaaagggaaga	taggattttc	aagatatatt	cccaacttct	ttaacatggc	120
accatggatg	aactgtttct	caggactgtg	ctgcttcact	tgggaattaa	gatgaattgg	180
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ccactaata	gctatctacc	agtcattaaa	ccatgggtgag	attctaacca	tgtctagcac	600
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ct						1022

&lt;210&gt; 68

&lt;211&gt; 449

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 68

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agagattctc	tgggtctgtc	agaggccacg	acaggctcac	tcaagctctt	taactgaaaa	180
gcaacaaagt	actccaggac	aaggttcaaa	atgggttata	cagctctcac	ctgtccgccc	240
agggagacag	gggttagtgat	acaagtctca	tagccagaga	tgggtttcca	ccctctctag	300
atattctaac	aaagaggctg	agacaggagg	ttattttcaa	ttttattttg	gaattaaata	360
ctttcttccc	tttattactg	ttgtagtccc	tcacttggat	atacctctgt	tttcccgata	420
gaaataaagg	aggtctagag	cttctatttc				440

&lt;210&gt; 69

&lt;211&gt; 387

&lt;212&gt; DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(397)

<223> n = A,T,C or G

<400> 63

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attattggat	gttaaacctg	gactgtgagt	accangcaat	taatttgcac	caanaaagtt	180
gagggtaatt	tcnatatatt	caatctgtac	agaggggaag	tgatttcaat	ttgatttcaa	240
cttaaacctt	atcttctgtc	gttaaacact	atagaggggt	tctaataaaa	tggcaaat	300
gngatcttat	tnnggtataac	tacaactctt	ttcacagatg	tgatgactga	atttcacaca	360
acctggcggg	ggggnogntc	naaggggt				397

<210> 70

<211> 536

<212> DNA

<213> Homo sapien

<400> 70

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accttaggtt	atttatttat	agatatctgt	ttacaaaagt	tgtagttaat	cttgatgctg	180
acctctgaa	atgtactttt	ttcttgaaag	ctgttccaat	ctaaaaatag	agcttttgag	240
aaaaacaatga	tgtaaatttc	ttatgataaa	aggatgattc	tatatattct	ttaatgatat	300
taaatatgtc	gaagccaagt	acacagtctt	ttcaaaagtg	gtgtatgttt	gtgtgaatgt	360
gaatgataat	gattctatat	ctgttaaaaag	ctgttttaaa	aagctgtggc	atcccatgtt	420
tcataatttg	caagtctctc	gtaaaagatg	ctaggacagaa	atattttatg	tgttaattga	480
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gctcagaggt	ttaacatgtg	aatcctgttt	taaagtgttc	agatttcaac	tgtgttaagcc	780
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<210> 71

<211> 513

<212> DNA

<213> Homo sapien

<400> 71

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acacacagat	aggacatcca	ggtttttgggt	caatattgta	gacttttttg	tggatgagat	480



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gccaaagagt	ggagctgagg	aagatcactg	tjaaaattota	tgtagtctag	ttggctggat	600
gctagagcaa	agagggtgg					618

&lt;210&gt; 72

&lt;211&gt; 806

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 72

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cccttttaac	ggatttgaag	cactttttac	acatggagaa	atatattttt	aatttctgat	660
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taatgaaggt	tgtatgaattt	tctttctctg	ccaaaacaagt	aaaataaaaa	taaaagtcta	780
tttagatgtc	gaaaaaaaaa	aaaaaa				806

&lt;210&gt; 74

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(301)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 74

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agtcccttca	ggcttagctgc	atcaactctg	ctgattttgt	tgcacccaag	atgtaattcc	180
gtaaggggag	gaggaagacc	ttgaggaatg	ctggggatct	tgggatcagc	aatggcgatg	240
tasgaagagt	ttttctcttc	cctgggaaagc	ccatatttca	atyccttgag	ctctccakcg	300
g						301

&lt;210&gt; 74

&lt;211&gt; 401

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 74

agtttacatg	atccctgtaa	cagccatggc	ctcaaaactca	gatgcttccct	ccatctgcac	60
agctgtttct	ggatacagag	ccatctgtgg	cttctggggg	ccacactcagc	ttaggctgtg	120

ggctccacaga	gcactcatct	ggctgggcta	tgggtgggtggt	ggctctactc	aagaagcaaa	140
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gcttgagggt	gaaaagtacg	ttggccagctt	cattctcttg	gtttcttggt	tagtgggctg	440
cgggaacagc	aagatgtgag	gtctctgggtc	atggatcata	t		441

&lt;210&gt; 75

&lt;211&gt; 612

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 75

ttatttttca	atttttattt	tgggtctctt	acaaagggtg	acatttttca	taacaggtgt	60
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tattgcacaa	tgtctcgatc	aatctctctt	ttctctcttt	gcccacaatt	taagcaagta	180
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aggcatagtt	gg					612

&lt;210&gt; 76

&lt;211&gt; 844

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 76

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gcagagaccc	gaaattcttg	catcttgaac	tcaagagtgg	agaatactgg	gttgacctta	120
accaagggtg	caaatctggat	gtatccaaag	tattctgtaa	tatggaaact	ggggaaacat	180
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aata						844

&lt;210&gt; 77

&lt;211&gt; 314

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 77

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ggagctcac	ccag					314

&lt;210&gt; 78

&lt;211&gt; 548

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 78

accaagagcc	aagtgttaca	caggatattt	taaaaataaa	atgttttttg	aatcctcacc	60
tcccatgcta	tcttctaaaga	taactacaaa	tattcttcaa	agattttaact	gagttctgac	120
aaggacctcc	caggacctca	tccagaatga	ttattgtaaa	gctttacaaa	tcccaccttg	180
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gcacagtc						548

&lt;210&gt; 79

&lt;211&gt; 546

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 79

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taatatccat	tttttaaaaa	ctcatcttgg	tattgagtta	gtgcattgac	ttccaatgaa	420
ttgacataag	cccatatttc	attttaacca	gaacacaaaa	ctagaaaatg	ttactcccta	480
aataggcacc	aattgtattt	ataagcactg	cagagattta	gtaaaaaaac	tgtatagtta	540
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tgaggtaaat	gcacaaaccag	gagccacaga	ataaacagcc	ctgagt		646

&lt;210&gt; 80

&lt;211&gt; 276

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(276)

<223> n = A,T,C or G

<400> 80

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gaagcccaac tctctctctc ccagttcttc	tctggatgc agnccatccan agatgtgacc	150
tctctcagcc gcnaaatccg caaccaaggtc	atggatgtgc acgatggcaa ggtgggtgtc	200
caaccaagaa caggtctctc gcaccaagaa	ctgagg	250

<210> 81

<211> 647

<212> DNA

<213> Homo sapien

<400> 81

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cagaaaaaca caacccataaa atattgttcc	aggatcacaga tattaattaa gagtgcattc	150
gttagcaaca cgttagacatt cctacatata	cgggtggaaga ctgggtttctg agatgcgatt	200
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cacattgaa gaatttcacg gtattccact	atcagccagt tctgtgtgag ataaacgcag	400
atcttgcaat gcaattaaaa gcttgaaata	ctcctcaggg atgttgctga tcttattgtc	450
gtcttaagtag aggttagaa gagagacagg	gagaccagaa ggcagtcctg ctatctgatt	500
gaagctcaag tcaaggtatt caggtgattt	aagaccttta aaagcag	647

<210> 82

<211> 878

<212> DNA

<213> Homo sapien

<400> 82

cctctctctc ccaactcaatt cctcctgcgc	cgttattaat caagatatct tccagcttgta	50
gtccagacaca atcagaatya cagaaaaatc	ctgcttaagg caaagaaata caagacaaga	100
ctatgatatt aatgaatgtg cgttaagtaa	tatgtttcca gctaaattgg tctaaaaaag	150
aattattaatg cgttagacagac ctatttcaca	ggagcttaat tcatctcact cgttttagtt	200
ctgatccagg gajattcaccc ctctaatcat	ctctgaactt cgttaataaa agtttataag	250
attcttatga agtagccact gtatgatatt	ttaagcaaat atgttattta aattattgat	300
cctccctctg gacccacttc atgttagctg	cgttattaaa ataaagagata caacccatgaa	350
tatatttatgt ttatcacaaa tcaatctgaa	cacaattcat aaagatttct cttttatacc	400
ttcctcaatg gccccttcca cctgcacata	gtcaccaaaat tctgttttaa atcaatgacc	450
caagattcac atggaagtat tttataaang	tatttatgtt gctagactgt gggtcataatg	500
tttccacttc caaattattt agaattctta	cgagttttaa atttgtaaat tcttaattcc	550
aattcatgaa aatgaaaatg ttgctccatt	ggagttagct gccacctaaa tatcaagatg	600
gctatatctt aaaaagagaa aatatggtca	agtctaaaat ggctaattgt cctatgatgc	650
tattatctca gactaatgac atttatcttc	aaaacaccaa attgtcttta gaaaaattaa	700
tgtgattaca ggttagagaac ctgggcctgg	accaagct	878

<210> 83

<211> 645

&lt;213&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 83

```

apaaaacattt tacaaaaaaag aacattacaa atatcagtggt cagtaagggtt aagctgaaga      60
ataaatagagc tgagttttcgg ggcattgtct gtctccaaag acatccaaa cgggttcagg      120
cagctgaagat aggttttcttt cccagtgaca agcatatgtg gtcagtaata caaacgatgg      180
taaatgagggt tactacatag gccaggttaa caaacctctc ttctctcggg gtaggcctag      240
atataagtggt aatccatcaa ataattttaa cccaaggcga taacaaagct atttcccatc      300
taaacctcatc taaggcttcca caatgtcgca atggattcag ttacttgcaa acgatccggg      360
gtctccatag agttacttgg tttacacat aagctgtggt cactctctcc ttcaactgcc      420
cagtcagggtt tctgtgttgt ggacggaaa gggatcatt ttgaaaatgc tccctcgaag      480
acagaagtgga gaaagaaaag agaccccgag gccaggatct attaaaactg gtgtgtgccc      540
aaaaggagggt ggggaaggcag gaatttgaaa ggataaacgt ctcttttggt ccgaggaatc      600
aggaagcgtg actcaattgg gtctgggaag ataccgaaat ccgggt      645

```

&lt;210&gt; 84

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(301)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 84

```

ctctgatgtca attacaactt gaaggatgcc aatgatgtac caatccaatg tgaaatctct      60
ctctcttatct cctatgttgg agaaggatta gaaggttatg tggcagataa agaattccat      120
gcacctcttaa ctatcgatga gaatggaggt cactgggtgg tgaaaaatgg tatttgaaac      180
agataccaaag tttgttttgc caogtatgga atagctttta tttttgatag accaactgtg      240
aacctacaaag aactctttgga caactgaagn ttaaatatcc acanggggtt attttgcttg      300
g      391

```

&lt;210&gt; 85

&lt;211&gt; 246

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(296)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 85

```

agcgtgggtc gggttcnogan gttagagaac gactgaaaag tttagatga agaaagtctc      60
ctctcrgatc acagccatct tggcagtggt tgttggtttc ccagtctctc aagaccagga      120
acgagaaaaa agaagtatca gtgacagoga tgaattagct tcagggtttt ttgtgttccc      180
ttaccatata ccatttcgpc caattccacc aattccatct ccaagatttc catggtttan      240
aegtaatttt cctattccaa tacttgaaac tgcacctaca actccctctc ctaggg      296

```

<210> 86  
 <211> 806  
 <212> DNA  
 <213> Homo sapien

<400> 86  
 tatacgaatgg caatttgcct attgtttttc ctctgtgtgt agt-gagt-gac cctggcagtg 50  
 tttgcttgcg cagagtggcc cctcagaata acagggctgg ccttggaaaa accccaaaaa 100  
 aggactgtgg tgcacaactct ggtcaggtgt gatttgacat gagggcggga ggcggttggc 150  
 gacggcagga ctggagaggg tgggtgcccg gcactggcag cgaggctcgt gtgtccccc 240  
 ggcagatctg ggcacttttc caaaccaggt ttatgcctgc tccagggaag cctcggctgc 300  
 agagtgggtg gctgatctga ccacccccc agaccagaaa caaggaattt ctgggattac 360  
 ccagtccccc ctcaacccag ttgatgtaac cactcattt ttacaaaata cagaattctat 420  
 tatactcagg ctctgggctt cgtctcact cagttattgc gagtgttgc gtccgcctgc 480  
 tccgggcccc agtgggtctt tgtgctctag atcctgggtg ccccccggcc ctgtggttgg 540  
 aatcgatgac acggattgca ggcacaaatt cagatcgtgt ttccaaaac ccttgcctgtg 600  
 cctcttaattg ggattgaaa cacttttacc acatggagaa atatatattt aatttjtgat 660  
 gttttctatc aaggtccact attctcgagt ttaattgtgt tccaacactt aaggagactc 720  
 taatgaangc tcatgaattt cttttctgtt ccaaacaggt aaaataaaaa taaaagtcta 780  
 tttagatgtt gaaaaaaaaa aaaaaa 806

<210> 87  
 <211> 600  
 <212> DNA  
 <213> Homo sapien

<400> 87  
 ttttggatct agatctgaaa tgtctgagag caatagtttc tgttgaattt ttttttgttc 50  
 attttcttgc aaggtccact ctgtttttat tactatctag gcttgaaata tatagtttga 100  
 aattatgaca ctctctctct ttgttatctt cctcatgatt gctttggcta ttcaaaagtt 150  
 atttttagtt cagttaaatc ttgtgaattgt attttccatt attgtgaaaa tagtaccact 240  
 gcaattttta taggaagttt attgaattca tagattactt tggataatat ggcacttcaa 300  
 caatattcat gttttcaatt catagacaaa atattttaaa atttatttgc atcttttcta 360  
 attttctctt tttttattgt aaagatttcc ctctctgggt aatatttttc ccagaaattt 420  
 attatttcaq gcttagtcaa taaaattttc ttctctatt ttgtcagata gtttaagtgt 480  
 atgaaaacat agctatactt gctagttaat ttatatttt gctaatttcc cgagtgtatt 540  
 tactagttta gagggtttt aatgtactgt ttatggtttt ttaaatataa gattacttat 600  
 tttttaaaaa aaaaaaaaaa 620

<210> 88  
 <211> 308  
 <212> DNA  
 <213> Homo sapien

<214>  
 <221> misc\_feature  
 <222> (1)...(308)  
 <223> n = A,T,C or G  
 <400> 88  
 tagatgtgnt cagcagggcg aggttttttt tttttttgag atggagttct ggcctgtcac 60

```

ccaggctgga gtgcagtggc ctgatctcag ctcaactgcaa gctccacctc ctggattcac 120
gctattctcc tgcctcagcc tcccaagtag ctgggaactac agggcgccgc caccacgcgc 140
aggtaatntt ctgnattttt agtaacagat ggggtttcat cgtgttagcc agcatggnet 240
cgatctcttg aactcgtgaa ctgcgcgcct cggcctccca aagacctgcc cggggcgggc 300
gttcgaaa 304

```

```

<210> 84
<211> 412
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

```

```

<400> 84
agggcgccgc cgggcaggtc tgttaagtaa cacaatatac accttaataa aaatcaagat 60
gaaatgtttt apaaactatt ttatcaaaaag tggctctgat acaaagactt gtacatgatt 120
gttcacagca gctctattaa tgcacaaaag tagacaaaac ctaaatgtcc attaactgat 180
aagcaaaaatg tcttatctcc atacaatgga atattatgta gccacaaaca tggcatggag 240
tactacaaca tggatgagcc tcaaaaaagt tatgctaaat gaaaaaagtc agatatagga 300
aaccaaatgt catatgctcc cttttatatg aaatagccag aaaaggcaag tcatagaaac 360
aagatagatc ggcacaaatggg ttggagggaat acaaatggca ccagggatct ttgaagttga 420
tggaaatggt ctaaaaatcag actgtcgntg tggttgaaca agtctgtaaa ttacacaaaa 480
tgggttaata ca 492

```

```

<210> 90
<211> 340
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

```

```

<400> 90
tcgagcgggc gccggggcag gtacaagctt tttttttttt tttttttttt ttttctaaca 60
gtctctctgt ttattgcaat acagcaaaagt ctgggttaata ttaagngata tcaacataaa 120
gtattgggtg ggaagtcttt gtgacatttt ttaccatccc accttaaaata ttctgtgca 180
aaanaatcca catcattggt tgggtancana ggatctctta aaaagtcccc taanacactg 240
agggpataaa atcaaaaata ataaaaataag gagtgatagg ctaaaagcagt atcttccctt 300
ccatccataa ttatgaagca ttatattcta accaaaaaat gatcacacca gggcatgcaa 360
aactgtctaa tattacggag aaaaaaacct 390

```

```

<210> 91
<211> 112
<212> DNA
<213> Homo sapien

```

&lt;400&gt; 31

agcgtgggacg cggccggaggt ctgtcaatta atgctagtcg ccaggattta aaaaataato	60
tttaactcaaa gtcacaatgca aaaaacattaa gtcggtaatt actcttgatc ttgaattact	120
tcggttagga aagtcctcca cttttttcaa actaagctac tatatttaag gcctgcocgg	180
ggggccgccc ga	192

&lt;210&gt; 31

&lt;211&gt; 570

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(570)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 32

agcgtgggacg cggccggaggt ctgacaacta acaaaagaag aaaaactggc atcttggaca	60
tcctagttatc actcttgcaa gcaattagaa cacaaggagg gccaaggaaa aagtttagct	120
ttgaattact tcacaaatcta ctgattttga ggttcocgag tagttctaac aaaaactttc	180
agacaatgtc aacttttcgat taagaaagaa aaaaaoccca aacatcttca ggaattccat	240
gcacaggttcg gtctcttcca gtgagococg ttgctaaaag tccacgtgca ccattaatta	300
gcggggcggg ccgcacccatg taaaaagaag cctattccac accaacaca cagactagac	360
atgtaaaagta gggtcaagta atggatgaca accatggctg tgggaatatg tcaatgagag	420
tcagaaaaagc atgggcacca gtacaagcag cagataacag aattgaocgg ccaaaggata	480
aaaataggctc tttttaaata ggatgctaca gaacacatnc attcttaatt ggaagctgct	540
ttacactggg tggccattgna ccatatgcac	570

&lt;210&gt; 32

&lt;211&gt; 446

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(446)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 33

tcagaggggac ggcggggcag gtccaggttc ctatttagtc gtcgaatttc ggacaagtta	60
cccaactttt ttgagtttga atatatttaa cctgcacaaat gagaatcatg ataatacgtc	120
ataggcttaa ttgggaggat taaatgaaat aatttatagg tggcgccatg gttacataca	180
agtattatc gttcaattctt tctctttgtt tacttttata gtataggttg gatgaagggt	240
ccagtatagg ccaaaataact aattgggggt aaagttagagt gtgatacttt atttgaaatg	300
ttcctgtae ctatctttta ctttttgnta ctgttcgaat agccaaatcc aaattttcat	360
cccaacatct ttgattttgt gggacagcng tagcagcttt tccaatataa totatactac	420
atctttttct aatttggtgc tttttg	446

&lt;210&gt; 33

&lt;211&gt; 449

&lt;212&gt; DNA



<213> Homo sapien

<400> 94

cgaggggagg	ccggggcagg	tcacacagct	cttctgctta	gaatacaggg	cagacagtgg	60
agagggtcch	tcagttatcg	tcacacaggg	tgatgaccca	agaaagggtg	gtgagaaggt	120
gtcgggcacat	aggctctcgg	atccacccat	ggagagaagc	ctcaagttgc	gtatccagga	180
ggagattjra	aaagggcaga	gcacacactg	accatgttga	aggcgtcttc	tcaggctgg	240
attcactgca	ctgggaagaa	ttctgcccag	ggaatttagt	gtggggggtac	caggaccagt	300
ttgtcttjat	cttgagaccc	ccagagctgc	tgcacccata	gggtgttgca	ggactacacc	360
tggcttgcat	tggagtcaat	ctttcttata	tgttgaccca	tttgcccaa		409

<210> 95

<211> 490

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(490)

<223> n = A,T,C or G

<400> 95

tccagcgggg	gcgggggag	gtcttacttg	tttgagctt	ccacacactg	cacttaccta	60
ctacccctct	tcacatgctta	actgggttta	gaaagggtgag	ctatgggtag	aagaactact	120
tgggactttc	aagtgtgtga	tttgaacgat	aagcttatag	ataacagtct	gaagctgcaa	180
gggagacttt	gttagtcaac	tactataaac	aggtaaaacta	ctgttttgta	cttgatatag	240
tgcataatgaa	atgactgatt	taatacaaaa	ctacagaaca	tgcacaaatt	ttcttgagat	300
gttaagtatt	actcagtggt	agaacaaaaa	ttacttaacc	tttgcctaat	gcctgttagta	360
ccagaaaagca	aatatggttt	tagcttcctt	tactcaaaat	atgaacatta	agtggttgtg	420
aattttgtct	gccaagtggg	ccagaaaata	cattataaat	aacctaaagt	aaaaaaaaaga	480
aactgnjuat						490

<210> 96

<211> 223

<212> DNA

<213> Homo sapien

<400> 96

agcgtgggtc	cgcccgaggc	ctggaagccc	acctaggac	ttgaatggca	ccctgtctct	60
ctctctgctg	taatgcaatc	caacacaata	tgtacaggg	aaacacagaat	ttccacgggtg	120
ccgctctctg	gtacaaggga	aacagcagcc	aaagcaaaag	gcacacagagg	gctccctgag	180
aatccagtac	aaataaggga	ggacctgccc	ggggggccgc	tgc		223

<210> 97

<211> 527

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(527)

<223> n = A,T,C or G

<400> 97

togagcggg	gcgcggggcag	gtctgtgcag	gagacactga	agtgggtagt	gtccataatc	60
tttttagcct	gttgcctgaaa	ttccagttgt	actccttcac	accaaaatgc	ttacaggatc	120
atgggaaaag	ctcgggttcga	gaaatcaaga	caggcaagtg	ggaagataac	tgggcttga	180
ggttaaaacag	attcgggttc	aaagcatagt	ttcactctct	gtctgtgaa	gtgtcctggg	240
tgaagtcatt	ctctctcttg	aatttcagag	aggatgaaaa	tataaaaagt	ataataacta	300
tcttcataat	ctctgtgagg	attaaagaag	acgaagtgtg	tgaaaagcta	agcacagagt	360
aggaattcta	caataagtag	ttattatctt	tggaaacctc	cggnccttag	cccagctcca	420
attacctctc	cttagnctct	tcatatcgaa	ngcgtaatc	ttgaactctc	cttgonactg	480
gattggctgt	ggctgatgac	caaatctccc	gagatgctgt	ctgggaa		527

<210> 93

<211> 514

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(514)

<223> n = A,T,C or G

<400> 93

togagcggg	gcgcggggcag	gtctgggtct	catgggcctc	gggggtgggt	gactctgtca	60
ctattcctaa	aactctctag	gatatctgt	ccaggaagaa	ctttcaacac	caaaattcat	120
ctcaatttta	cagatggggaa	aagtgattct	gagacagac	cagggtcagg	ccaaggtcat	180
ccagcatcag	tggctggggt	gagaactggg	ccagggaaac	ctgtctgtct	ctctttttcc	240
cagagctgtg	agctctctag	ccaaggctgc	actcttgagg	gagagccagg	aagcatagct	300
gaggccatga	caactcact	cttcactga	aaatttaaac	ctgggcagag	gatccaggca	360
catatagggt	tgggagccaa	acaggacctc	ggcggcgacc	acgctaagcc	gaattccagc	420
acactggggg	ccgttaactag	tggatcccca	gcttnggtac	caagcttggc	gtaatcatgg	480
gcatagctgg	ttctctgggg	gaaaatggta	tcgc			514

<210> 93

<211> 530

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(530)

<223> n = A,T,C or G

<400> 93

togagcggg	gcgcggggcag	gtctgaagaa	acagggtataa	atttggccagc	cagtaatttt	60
gacaggggaag	ttacagcttg	catgaattta	aatatgtaaa	tttgaaaata	ctgaattctg	120
agtaattcatt	gtgctttgtg	ttgatctgaa	aaatataaca	ctggctgtcg	aagaagatg	180
ttcaaaaaata	tttaattcac	ttcaaaatgt	catacaaatt	atggtgggtt	ctatgcaccc	240
ctaaaagcttc	aagtcattta	gtcaggttac	atactaaagt	aatatattaa	ttcttcaggt	300
acagtgggtgt	ttcataccat	tgacattttg	ataccctaga	ataatttaag	aaagacatgt	360

gtaatattda	aatgtttag	aaaagcaagc	aaaaggtaa	ggaacttgc	ttggttcttc	420
tggagatgg	cccatatag	cttcataaac	attcatttta	caaaatagta	agctaaccat	440
ttgaacccca	attccatag	taagcatatt	tttcataaaa	tnatgaagcc		530

&lt;210&gt; 100

&lt;211&gt; 529

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 100

agcgtggtag	cgcccgaggt	ccagggcaagg	tggcttatgt	gtgtaatccc	agcaattggg	60
gaggttgagg	gaggtggatc	aattgagtc	aggagtttga	gaacagtttg	ggcaacatgg	120
cgaaacttca	tcactaccaa	agaagaaaaa	aattagccag	gtgtgggtgg	gtatgcctgt	140
agtcacagat	aattcgggtg	ctgaggtgag	aggatagctt	gagccagga	aattgaggt	200
gcagtgaact	atgattgcac	tactgtgctc	cagcttgggc	aacagagtga	gatcttgtct	260
ccaaaagtc	ttgaaggatt	ttaggaagtt	gttaaaagtc	ttgaaacgat	gtttgggggc	320
atgttaggg	tcctgaatgt	tttaattctc	taataactgc	ttattcaaga	gaagcatttc	380
tgactgggtg	cggggagatg	gcttcattgc	ccataatccc	agtaatttgg	gaggttgaag	440
caggaacttt	gcctgagctc	aggacttcaa	gaacagcttg	ggtaacata		520

&lt;210&gt; 101

&lt;211&gt; 277

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 101

tcgagcgggc	gcgcgggcag	gtccgcaggaa	gaggatggaa	aactgagggt	ccaggaagaa	60
gagggaaagg	gactctgagc	tggaaatggg	agatgattat	attttggatc	tcagaagta	120
ctgggattca	atgaatttct	ctgaaaaaca	tgataagata	ccagaaatct	gggaaggcca	180
taatatagct	gatttatatt	atccagccat	catgaagaaa	ttggaagaat	tagaaaaaga	240
agaagagctg	agtaacagac	tgggcgcgca	ccacgct			277

&lt;210&gt; 102

&lt;211&gt; 400

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 102

gcgtgggttg	ggcccgaggt	tgaaggcttt	gtgtccccag	agccgcctaa	acgcaagaaa	60
agtcgactgg	acagtttagg	gggatgtgct	aaagcgtgaa	atcagtgttc	cttaattttt	120
agaaagatct	tggtaactag	gtgtccccag	gttgggttgg	ggtccaaagt	gttaaggacc	180
cccgccctca	gtcgagagct	ggagcttggc	gacattaccc	cttcattaga	aggaattttt	240
ggaagtttt	ttgggaagct	gttttggctc	ttgggaagag	tgagagctgg	gaagcttttt	300
ttgggtctca	gttaggttgt	atgtgggtta	gttaggttca	tcctgggata	aagggtcttt	360
tggggpca	aaatcactct	aggtttatat	tgtatgtagc	ttatattttt	tactaagggt	420
tcacctttca	agratctata	aattgaactc	ttttttctag	ttgtatgacc	tgcctcgggc	480
ggccgctgga						490

&lt;210&gt; 103

&lt;211&gt; 400

&lt;212&gt; DNA

<213> Homo sapien

<400> 163

gagggggggg	gggggaggt	ccaaaaggag	ttgttcataa	gtcattaacc	aaatccatta	60
taggtaattt	gttcagttca	atgtttacaa	ttcttatgga	aaaaattaga	aacacacaca	120
tttaaaaagt	gtgcatttca	ctttgggtga	gtgtttaaaa	tacatatttc	tatttcaaga	180
tgacatttaa	aaattattct	aatatatcag	cagcaaaaat	ataatttga	attacaaaaa	240
actaaactag	aattottaag	ctattctcat	gtttacagtc	gtgattcttt	aataaatact	300
attatggagg	cttactgttt	aagctttctg	gatttgggtt	aaacacatgc	atatatattg	360
ccaattgtgg	gaagcttcaa	aagttatatt	ccatgcattt	tttggacaga	gttctaacag	420
agccagccag	tcacaaaaac	aggcaagaca	aaagttgaat	taactggggg	aaaataggac	480
ctttatgcaa						490

<210> 164

<211> 489

<212> DNA

<213> Homo sapien

<400> 164

ggtgggtggg	gggaggttc	aggctgggtc	cgaaactctg	accttctgat	ctgcctggct	60
gggctctctc	aagtgttggg	attacaggga	tgagccactg	cgcccgacgg	agttgaacat	120
ttaatgtcag	actaggccag	ajttctctca	tctttcttatt	ctcacttccc	aaaggagcgg	180
ctggagattt	tcctctcaat	ctctctctct	cagcaaaatt	cataccacaa	atatagtatg	240
ttttactttt	gtaattgtga	cttttggaag	atcacaaaa	aatataatag	ttttctcttt	300
taacccgtca	aggaccaaag	ttttgcccc	gttggaaaatg	cataaaactg	actgatgaat	360
tggatatagat	ggtttttatc	atgaggatca	gaaaaaactg	aaattctctg	gttacgacac	420
tcctatattt	tcacgttata	gggagggaat	tggatatggg	aagtagaaac	acttctacac	480
tttacagca						489

<210> 165

<211> 479

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(479)

<223> n = A,T,C or G

<400> 165

ggtgtgttgg	ggggaggttc	tgaatgggtt	cagcccccaga	agttgagctg	gccttttagac	60
aaaataaattg	caactccctc	tgtgtgttat	tccttctcgt	ttttcatttg	agttgtgaaca	120
gttagatcaa	atctgtgggt	gntctctcca	cttctgtcta	gtttccattg	ctgtgagcag	180
gcctctctat	gcccgcactt	tactacaaat	gtgttggaat	caattgattc	ttttctctgg	240
agttctgctt	agaaatatgt	gaaggtgagg	cttaagtgtt	ctctgtgttag	atccacttag	300
ccctgtctgg	tgtctcgatg	gggtgtgctt	cgctctctct	ctctcccatc	ctttccattt	360
gcttctctac	acctctctgg	ttcttttctt	aatgcaataa	aggaagtctc	taacaaagaa	420
agaatgtggg	ctttggagtt	agacagaact	ggnttttaaat	tctgtctctg	gtctctccaa	479

<210> 166

<211> 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 106

ttgggggngg	gggtccaaaac	gtggatttca	atgaactgac	ttgagccgga	gggtggcagg	60
agttgggact	gagtagtat	gggaagctca	gggctaaat	acgaactgac	ctctgacccc	120
acggtcagga	gattctagaa	cattcttagt	aggaagaca	tagcaaggga	ttttcatgat	180
tgggaaatac	tgggagacaa	gttgaagatt	tgttaaggga	tatgctcttg	tcattcttta	240
ggtatttnag	gttaactctt	tagctagcta	ctttgagctg	tttaaaagga	ctatctccct	300
acacagagtt	acacaatgag	catctctgaa	agagaatatt	acctgggatt	tcacaagatg	360
tactctaaac	ggatgacccg	gcaaaagggt	acggggggga	ggagtctgtt	ataaacctcg	420
gacccacatg	cttccaaagg	actccagaac	tttgggaaat	cattttgtac	gggatctcca	480
gaaagcattt	atggaaatac	acatctctta	g			511

&lt;210&gt; 107

&lt;211&gt; 451

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 107

gggggggggg	ggaggtccag	aatatcaaat	caaaagggtc	caaatgttca	cttctctctc	60
cacccctctc	catattggat	cttcaatttg	aatagggagt	gtaagatggg	catttttagag	120
acgtagtctg	atcagcagaa	gcaaacccat	cttatacaaa	tggtttttgg	ggataggaaa	180
aggctgttaa	aaattccaaa	gtcaccatcc	ccnagaagca	atgaatagcc	gtagaagacc	240
aagggaagtc	aaacaagtct	caaaagtgtc	aagccagaga	tttggccctt	ccaaaatacc	300
accaggaagg	ctggacccgt	gggtctctcg	catgtcccca	ctgaactgca	ggatgctgct	360
gcacctctct	cttttgagac	acaacagaga	gacagtgaag	tcaccccaaga	ctgggattcat	420
cagaggcttc	ctatgcttgc	tacagagaag	c			451

&lt;210&gt; 108

&lt;211&gt; 461

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 108

gggggggggg	aggtccctgaa	aacattccga	ctaatcaaaa	tggtactact	gtaacttctt	60
ataatcaccc	atataaaaat	ttttgaaaag	tatagacaca	attaacccct	aaacaacaca	120
ctattctgatt	ctcaaaaagca	atggctatct	aaccaagatgt	aaaaggacaa	taacatatca	180
aagaactttc	acacaccccaa	agatagccatt	tagcagcag	ttagtcagac	aaaacaaaca	240
caaatattct	cacatttctc	atgtttgttt	tttaactttac	ctcataaagg	cactgataat	300
tgaggcttct	ctcaagttata	agattttctaa	aattaaaaac	tgtttttgac	atatttttat	360
aaagaaaata	aaaggcaaaa	gcaatccaac	tatttatatg	agtccctctt	ctccaacagc	420
ctcagacagg	ctctctgagta	ctttttttaca	cagaatattt	c		461

&lt;210&gt; 109

&lt;211&gt; 441

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 109

gggggggggg	ggaggtctga	ttataagaga	aagaaatcca	gtgacacgag	ggcagggcagg	60
------------	------------	------------	------------	------------	-------------	----

```

ccccgctctg ctctgatcga gaaaagcttc ctgatgtcag ggagatggaa ctgacacat 120
cagaacacatg gacttttggg tgaagggtgtg tcagcgacca agggggcagg aaatgggcag 180
tgactaagggtt ggcaggaaac aggcaggcac atggcaaggt tctcccagcc catcagccca 240
gtgatgggctt cgattttgaa gctgcactac tgtctgaaaa gcacaattac tgggtgactct 300
taacaaaactt cagcatactg ggggaaggaga ctgtcaagta actgaattgg aaagatgaaa 360
aagaacacatc tctaaaagtc gatgtttgtc agaagaataa cctcttttgt gcaagtcttg 420
caacatcttc attcaaccac a 441

```

<210> 110

<211> 451

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(451)

<223> n = A,T,C or G

<400> 110

```

ggctgggggtt gaggctctggg gaaggggtga gaatcctgg gccttgccca gctctgagct 60
ctgggtgtctt gcagggaagt acagtgggtga gttagtgtta aagaaagcat ccagagaggt 120
aagaggggtt tgggtagcac cctttgcctc tgtcacttcc gcaaaaactt cttgttgagg 180
aggaagatga gaaggttgac attgactttg gccttgctga agagtttcat gacagccaca 240
ccttcatactt ggagctgcac gagatcctga tagtgaagct tjaaatcgct ccattgtccac 300
accaggaatt tgggcattta cttcaaaactt tctgctcca tctccggggg tgatgtcaaa 360
natgaggttt ctggaagtga gaggcgggaa agatcttcaa tttccaccaaa agacacctt 420
tttcagjja gcttgagcaa caagtgtaat g 451

```

<210> 111

<211> 407

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(407)

<223> n = A,T,C or G

<400> 111

```

ggcggaggtt cgaactgact tctttngagc agntgncact aacctctttg aggaatgccc 60
actgcagaca gtggcccang gcaagaggtg tgcgtcctcg atganattgg naagatggag 120
ctcttcagtc agnttttcat tcaagctgnt cgtcagaagc tgtctacccc agggactata 180
atcttngjga caatccagct tcttanagga aagccactgn cttctgtaga agaaatana 240
cacanaaggt atgtgaacng tgtttaatgt caccgaaggga aaacatgaaa ccactctctg 300
ccagatctcg ggaagtttgg tgcagatcaa gcaagaaagt gaagacggct gcattccttg 360
ccttccgtga accantgccc agntcaagaa ganctgtatg gaacct 407

```

<210> 112

<211> 401

<212> DNA

<213> Homo sapien

<200>  
 <201> misc\_feature  
 <202> (1)...(401)  
 <203> n = A,T,C or G

<400> 112  
 tcggggcaga ggtgggcaga ggtctgacat ctgttctctg tgataaccac ttctgtattg 60  
 cgtcttaacc actcttgrat tctgttggtt taactgccta agggggcaat gggcagtggg 120  
 ccccttttcc ttaggatggg tatcaattca acaatattta taaggatatt actgtgtgct 180  
 aagcatttgg aagacccagg ctacaaaata agacatagtt cctgcctccc aggcacgcag 240  
 agggaggccc aaatacccag gaatctctga tgggtgtgaa gtgggtctgt gggccacaga 300  
 aaatgacggt catggagacc ctgctaaagg tgggacctg agcccaagg ggtattcaga 360  
 agnnggagatg attttggccc cactcataga tgggtggcaa a 401

<210> 113  
 <211> 451  
 <212> DNA  
 <213> Homo sapien

<400> 113  
 gtgggggggg aggtccatat taaaaagtcc atcataaaca aagactcctc ctcatgggat 60  
 gaatatgctc catatgcaca taatgggtga taaggactt agaaattcca atgagtctta 120  
 gggttgaaat ttccaatgac ctgagcaagg cagctcccta tagcttctgg ataactttt 180  
 acacccagag cttaggctta aacagacctc tcaacacaaat tattttcgga ttgtctgtct 240  
 agaaaaaggc aatgctcaca ggaatataaa taaggggtgg gggacatatg ctccagcct 300  
 ggccttcctc cagtggttaa aaaaacaatgg aatggctgtg ttaattttt ttaattctt 360  
 tctgaccttc actatgtttg gtaatggaaa taagtccagg aaaaacaaat gaacaggtct 420  
 catcacttaa ttcatactgg gttttcttct t 451

<210> 114  
 <211> 441  
 <212> DNA  
 <213> Homo sapien

<400> 114  
 gggggccagg gtaggtccat cctgtccagag atggggagaag tcacagacgg aatgatggat 60  
 acaaagatgg tttactttct taccacttat gctgacaaga ttgaattctg tcatttttca 120  
 gacagctc ctctgtccaaa aattatgcac gaggaaggto agcctttaaa gctacctgac 180  
 actaagagggc cactgttgtt taccatttaat gtgcctggct caggttaaac ttacccaaag 240  
 gatatggagg cactgttacc cctgatgaac atgggtgatt attctattga taaagccaaa 300  
 aagttccgac tcaacagaga aggcacacaa aaagcagata agaaccgtgc ccgagtagaa 360  
 gagaactc ctgaaattga cactgttgca aagacaggaa gcagcacagt ctggggggga 420  
 ggaagaaatt aaaaacagag a 441

<210> 115  
 <211> 431  
 <212> DNA  
 <213> Homo sapien

<220>

<221> misc\_feature  
 <222> (1)...(431)  
 <223> n = A,T,C or G

<400> 115

gggggggggg	cagggtccatt	gggggtgaca	aaaggaaaag	aagcaaaagag	actcagtcga	60
taatgctgat	tagttagaag	aaagggctag	gattgagaaa	gtaccaggaa	cttttaatta	120
tttaaaagag	aatgctgact	gttaattgtt	taaatcttac	tgttcaaatg	tactaatatg	180
aatttttacc	ctttgtgcat	gaatatttta	aacaactaga	agacctccac	aatttagcag	240
ttatgaaaag	taaaactttt	attataaaaa	ttctaaaact	tactgtctct	ttaccaggaa	300
catgacacac	tatttancat	cagttgcata	cttcgccaat	agtataatto	aactgtcttg	360
ccggaacaaat	catctccatc	tggaagacgt	aagcctttag	aaacacattt	ttctattaat	420
ttctctagaa	c					431

<210> 116

<211> 421

<212> DNA

<213> Homo sapien

<400> 116

gtgggggggg	aggctccagaa	atgaagaaga	agtttgcaga	tgtatttgcg	aagaagaaga	60
aggcagagtg	gtgtcaaatc	tttgacggga	cagatgcctg	tgtgactcgg	gttctgactt	120
ttgaggaggt	tgttccatcat	gacccacaaca	aggaaacggg	gttcgtttat	caccagtgag	180
gagcaggagc	tgagcctccg	ccctgcacct	ctgtctgtta	acaccccaga	catcccttct	240
ttcaaaaagg	atctcttcat	aggagaacac	actgaggaga	tacttgaaga	atttggatto	300
agcccgcgaa	gagatcttcc	aagcttaact	cagataaaat	cattgaaagt	aataaggtaa	360
aagctaaagt	cttcaacttc	aggccacggg	ctcaagtga	tttogaatac	tgcatttaca	420
g						431

<210> 117

<211> 489

<212> DNA

<213> Homo sapien

<400> 117

aggctgggtg	gggcccaggc	aaggctggga	ggctgtgggt	cttgggaacc	tcggaggaca	60
gagggctaaa	tcacatgaagt	ttgtggatgg	cttgatgac	cacagcggag	acctgttaa	120
ctactacgtt	gacactgctg	tgggcacgt	gttgcacaga	cagggtgtgc	tgggcaccaa	180
ggtgaagatc	atgctgcctt	gggaacaaac	tggttaagatt	ggccctaaga	agcccttgcc	240
tgaccacgtg	agcattgttg	aaacaaaaga	tgagatactg	ccacccaccc	ccatctcaga	300
acagaagggt	gggaagccag	agctgctctg	catgcctcag	ccagtcacca	cagcataaca	360
gggtccctct	ggcagacctg	ccgggggggg	cgttcgaaa	cccgaaattc	agcacactgg	420
gggcgttctt	tatgggaccc	cagctcggta	ccaagcttgg	cgtaatcatg	gtcatagctg	480
gttgccttt						489

<210> 118

<211> 489

<212> DNA

<213> Homo sapien

<400> 118



```

tcgagggggc gcccggggcag gtattgaata cagcaaaaatt ctatatacaa agtgacctgg      60
acctgctggt tcaaaaacatg atccttttctt actaatatct tgatagtcgg tccatagagc      120
attagaagagc aattgaactct taaataaaca gaaaagtgcg taatgcacat taaatgaatg      180
gcctaaactac tgggaacttta gtagttctat aagggtgatta acataggtag gatccagttc      240
ctatgacagg ctgctgaaga acagatatga gcaccaagag gccattttgt gcaactggac      300
cgtgatggca tgggtgtttct ggatcataat gttccattta tctgattcta gacacaccac      360
aggaatatca ggggggtcag aggttagctt agctgcttgc tgggctagaa cagatatcac      420
tccagcagcg tcatctgaca ggggtcccgcg gcaacccaga ttaagtccct gtgaatctgt      480
gcacaggga                                     489

```

```

<210> 119
<211> 191
<212> DNA
<213> Homo sapien

```

```

<400> 119
taggttcagc agacttttgg cccaggagga atatttaactt ttagctctgg acatcattac      60
aaaaaggcat atttcccaaa cctcttcaga ccgagaatac atgggtaaaa ttattaaata      120
gttgatcat aaaaataatt tttctcttaa aaaaaaaaaa aacctcggcc ggcaccagc      180
t                                     191

```

```

<210> 120
<211> 489
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

```

```

<400> 120
gggtggctgg ggccgaggtc catttaaaac aaagaaaaat actaaagcca ctagtaaaac      60
tttgatgtgc aaaaataaac atcctctagt tggctttatg ccattattac ataagctcca      120
aatagcctat ctttaattta aaagaaaaag tggctgtccc atcctctgtg cataaatcag      180
attctctctt aaagggttag agtactttta ggaagggaag tccaaaactg ccagtgaact      240
tcacagcgaa tataaattta gcaatttaac tccccaaagc tctttgaaga agcaagagag      300
ttctctctct taatgcagtg ttctcccaag aggaactgta attctgtctg gtaacttatgc      360
tgggagttat gcaaaatgtg tttttcaatg ttgtctagaa tataatggct cctcttcagt      420
gnetggctca tcccggaact catgggttaa gaaggacttc ttggagccga actgcccggg      480
ggggcctct                                     489

```

```

<210> 121
<211> 511
<212> DNA
<213> Homo sapien

```

```

<400> 121
cgagcggcgc cccggggcagc tggccagcgc tggctccgca gatgcagaga tggaggaaat      60
atttgatgat gggtcacctg gaaagcaaaa ggaaatccaa gaaccagatc ctacctatga      120
agaaaaaatg caaactgacc gggcaaatag attccagtat ttattaaagc agacagaact      180

```

```

ttttgcacat ttcattcaac ctgctgctca gaagaactca aottcacttt tgaagatgaa 240
accagggggc ccacgaataa aaaaagatga gaagcagaac ttactatcgg ttggcgatta 300
ccgacacggc agaacagagc aagaggagga tgaagagctc ttaacagaaa gctccaaaagc 360
aaccacatgt tggactcgat ttgaagactc tccatcgcat gtaaaatggg gtaaaactgag 420
agattatcag gtcccgagga ttaaaactggc tcatttccttc gtatgagaat ggcataaatg 480
gtaccccttg agatgaaatg ggccataggaa agactcttca acaatttctc c 531

```

<210> 132

<211> 174

<212> DNA

<213> Homo sapien

<400> 132

```

tcgaggggac gcccggggag gtctgcccac agcagaggcg gggcctccgg catcttcaaa 60
gcacctctga gcaggctcca gcccctctgg tggggaggcg gtctggggtc tctctcgagc 120
tcggcgagaa agcagatggt attctctctc cggagactcg gcgcgagcca cgt 174

```

<210> 133

<211> 531

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(531)

<223> n = A,T,C or G

<400> 133

```

agcgtgggtc gggccgaggt cctcaaccaa gagggctgat ggccctccagt caagaaaactg 60
tggctcctgc ccgcagagct ctctcctcgt ccagcaggcg ccctgcaagg gcaggctaaa 120
agacctctcg tgcatacaaa tccatctagc anagagaaaa ggggcactga agcagctatg 180
tcctcgaggg gctagggggt cctctgcaga cagcaatgct acaataaagg acacagaaat 240
gggggaggtg ggggaagccc tatttttata acaaaagcaa acagatctgc gcggttcatt 300
cccccagctc caaaagtaca aaaaaaacaa tggctgtggc tctcgccaaq atgggaatatt 360
cctcctctct aanttccaca catgggcggt tgcgaatgct gacagcattg cactgggctg 420
cttgctctcg tggctctggc accagtagct tgggcctcat acacactctt cagttccccc 480
anggctctcg gctnangggc angctccaat tctcaagcac caggaaggaa g 531

```

<210> 134

<211> 416

<212> DNA

<213> Homo sapien

<400> 134

```

tcgaggggac gcccggggag gtccatctat acctctaga gcagttaaat tcataaattc 60
attcactcag ccacgaataa atgaatttta aagccctgaa tatcaactaa gacaaattat 120
gcacactcag atttctcaca tatacttaga ttacacaaag ataaagcttt agatgctatc 180
attgttcaat gtagacttat ctctaaagtc ttttaattaaa aactacagaa gggagtaaac 240
agcaagccaa atgatttaac caaatgattt aagagtaaaa cccactcaga aagcattata 300
cgtaactaaa tatacatgag catgattata tacatacatg aaactgcact tttatggcat 360
tctaagtaac tcattttaagt acatttttgg catttaacaa aagatcaaat caagct 416

```

<L10> 125  
 <L11> 149  
 <L12> DNA  
 <L13> Homo sapien

<L20>  
 <L21> misc\_feature  
 <L22> (1)...(199)  
 <L23> n = A,T,C or G

<400> 125  
 agcgtgggtag gggggagggt gctttttttt tttttttttt tttttttttt gctattctaa 60  
 aggggaagggt ccttttttat taaacttgta ctttttactt tctttctttc anaatgctaa 120  
 taaaaaaatt ttgtttatac ttaaaaaaac cataaatcan acaaacaaaa gaaacgattc 180  
 caacatcatt tctgggatg 199

<L10> 126  
 <L11> 449  
 <L12> DNA  
 <L13> Homo sapien

<400> 126  
 cgtgggtcttg gctgagggtct agttgctctt agtggattgg atatgggttg agtggcctag 60  
 actggatcttg ggaaaacatt gtcttatttg cttcctgcca ttgtccacat caatcatcag 120  
 ccattctcttg agagagggga tgggcctatt tgtttgggtg tggcaccac cggggaactg 180  
 gctcaacttg tctagcaagt agctgctgaa tattgtagag catgtcgctt gaagtctact 240  
 tctatctcttg gtgtgtcttc taagggaaca caaatcctg atttgagag aggtgtggaa 300  
 atctgtattg caacaccttg aagactgatt gactttctag agtgtggaaa aaccaatctg 360  
 agaagaacaa cctaccttct ccttgatgaa gcagatagaa tcttgatat gggctttgaa 420  
 ccccaaatca ggaagattgt ggatcaaatc agacttgata ggcacactct aatgtggagt 480  
 ggaactctg 499

<L10> 127  
 <L11> 439  
 <L12> DNA  
 <L13> Homo sapien

<400> 127  
 cgtgggtcttg gctgagggtct gctgagggtct ggagatctga gaacgggcag actgctctct 60  
 caagtgggtct cctgacccct gacccctgag cagcctaact gggaggcacc cctcagcagg 120  
 ggcacactga cactccacac ggcagggtat tccaacagac ctgaagctga gggctctgtc 180  
 tgttagaag aaactaaca agcagaagg acagccatct caaaaacctc cctgtacatc 240  
 accatcatga aagacaaaaa gtaataaaaa ccacaaagat gggaaaaaaa tagaacagaa 300  
 aaactggaa cttaaaaaag cagagcactt cctctctctc aaaggaaagt agtctctcac 360  
 cagcaatctga acaagctgg atggagaatg actttgacga gctgagaaaa gaacgcttca 420  
 gacgatcaaa tctctctgag ctacggggagg acattcaaac caaaggcaaa gaagttgaaa 480  
 actttgaaaa 499

<L10> 128  
 <L11> 449

<212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)...(469)  
 <223> n = A,T,C or G

<400> 123  
 cgtggctggg gctgaggctg tttttttttt tttttttttt tttttttttt tgotgattta 60  
 tttttttctnt ttattgttat atacaatgta taaacacata aaacanaaaa cagttagggat 120  
 cctctaggat ccttagggan acagttaaagt anaaagaggt ctcanaaaaa tttttttaaa 180  
 gtacaagaca tttagngctc ggcccaaaagg cgtaaaaggt ttanagccag canatagctg 240  
 nactaaaggc ttgtctctnt tcccanagc caggacaacc ccagggagct ntccattagc 300  
 agccagtcba cgtaggcagg atgttgcgga aaaagctcta tgotganaac attccctctg 360  
 atggaaagaa gggcaacaca aaaggggtta ctaanagctc ctccctctcg tgagggcgac 420  
 aactgaggaa cagaaaagga gtgtcccatg tcacttttga cccctctcc 480

<210> 129  
 <211> 419  
 <212> DNA  
 <213> Homo sapien

<400> 129  
 gggtggctgg gctgaggctc tgattttcat ttaaataatt cagagctata gcatttgctt 60  
 ccattgctbaa atccacacca ttggggctta agcgcctcat gccaacatta gcaaatgaca 120  
 tgcagcttaa tcttagagatc actgctctct ggctgatgca tggcaacaca ctggcgctg 180  
 ccagcttatg tgcattcttc ttcactttag tgggagaatc aatttttact ccaaggcttc 240  
 ttagtggctt aaagttgca ttaaggacac aatttttctc caccagtctt gaatgatgtg 300  
 tttctctctt tgnatggtaa acgttttggg ttctgggtgca ttcctgactg ataattactg 360  
 ccttggtaga cggctgctca agtttctctg gaggaactat ttaatagggt gggtacttg 420

<210> 130  
 <211> 394  
 <212> DNA  
 <213> Homo sapien

<400> 130  
 agcgtggctg cgtcggaggt ccattctgagg agataaccac atcactaaca aagtgggagt 60  
 gaccccgaaq agtacgttgt ggaattccat agtaggtctc atccctgggc agtttcacac 120  
 tgatgatggc cttatctoga gagggcgaga ggatcatgtc cgggaactgc ggggtagtag 180  
 cgatctggat taaccagcgc ttgtggcctt tgaggggtgc acgaagggtc atctgctcag 240  
 tcatggcgat ggttagagcg tgtgtcgctg cagcgacgag gatggcactg gatggcttag 300  
 agaaaactat agtaaacct ctctgcgcgc acctgcgcgc ggggcgcgct cgaa 360

<210> 131  
 <211> 474  
 <212> DNA  
 <213> Homo sapien

<220>

<221> misc\_feature  
 <222> (1)...(474)  
 <223> n = A,T,C or G

<400> 131

cgagcgggcgg	cccgggcagg	tctgggcagca	gcttcctctg	gaataattga	cagctttgtg	60
ctgcctgaat	aaaatttgaa	atgacaacgg	ctgaatgtaa	aatgatgtac	ctacaatgag	120
agagatttag	gaatactatc	tgtcaatcca	tagatgtaga	aacaaaacaa	actacagaat	180
gaaaaacaaa	ctattttaaa	ccaaagaaaac	aaatgtatcc	aaaatatagt	ccatgatata	240
tttgartact	agtataacca	cagttgaaaa	cttaaaaaaa	aaaattgaca	ttttttgtaa	300
tgggtactaa	tggatttata	aaagggtttct	gtttccaaaag	atgtttattgg	ggtcacacata	360
ttctttgaag	acttcagcat	cccaaaagccc	gacatcagag	atactttctt	ttagccattg	420
ntccccgtaa	cttgcccaat	ccatgggtgat	gtgacagggt	tcctttcatt	agca	474

<210> 132  
 <211> 474  
 <212> DNA  
 <213> Homo sapien

<220>

<221> misc\_feature  
 <222> (1)...(474)  
 <223> n = A,T,C or G

<400> 132

ggcggagggtg	gggaattcat	gtggagggtca	gagtgggaagc	aggtgtgaga	gggtccagca	60
gaaggaaaaca	tggctgcaca	agtgtttgag	tcatttggca	agtttgggct	ggctttagct	120
gttcgaggag	gggtggcgaa	ctctgcctta	tataatgttg	atgctgggca	cagagctgtc	180
atctttgacc	gattccgtgg	agtgtaggac	attgtggtag	gggaagggac	tcattttctc	240
atcccgtagg	tacagaaaac	aatttatctt	gactgcctgt	ctcgaccacg	taatgtgcca	300
gtcatcactg	gtagcaaaaga	tttacagaat	gtcaacatca	cactggccat	ccctttccgg	360
ccgtgtgcga	gcagatttcc	tgcctatctc	accagcatcg	ganaggacta	tgatgaacgg	420
tgtgtgtggg	tcattacaaa	ctgagatctt	caagtccgtg	gtggctcgct	tcga	474

<210> 133  
 <211> 387  
 <212> DNA  
 <213> Homo sapien

<400> 133

tgtctgagcgg	gcgcgcagtg	tgatggatat	ctgcagaatt	cggtcttagcg	tjgtccgggc	60
cgagggtctgt	ggggccctta	gcctgcctct	cttccaaagg	acggccatcc	cagtagggga	120
ctttccctca	ctgtgccttt	agcatcagcg	tgacagagta	gaagctggag	tgcctcacca	180
ccagggccggg	aaacagcggg	aagtaactgg	aaagagcttt	aggacagctt	agatgcctgag	240
tggggcgaatg	ccagaccaat	gataccaga	gtacctggcc	gtcaactctg	tgagatgtgt	300
gtttgacgtg	gagagagctg	gtgttttgtt	gtgtgttttt	ccatgaactg	tggcccagct	360
gtatagtgtt	tcagtggggg	agaactg				387

<210> 134  
 <211> 401  
 <212> DNA

<213> Homo sapien

<400> 134

```

ggcgcgcggg gtaggtctga tgaagaacac ggggtgtgac ottgccaatg accccaatgc      60
tgagcggctc aagagtgttg tgggcaactt gcacggctg ggagtcacca acccattat      120
cagccactat gatgggcgac agttccccaa ggtgggtggg ggctttgac gagtactgt      180
ggatgctccc tgcagtggca ctggggctcat ctccaaggat ccagcgtga agactaaca      240
ggatgagag gatctctgc gcttctgtct accccagaa ggaagttgt cctgagtgt      300
attgactctt gtcattgga cttccaagac aggaggctac ctggtttact gcacctgtc      360
tatcacagtg agacctctgc catggcagaa caggggaagc t                        401

```

<210> 135

<211> 451

<212> DNA

<213> Homo sapien

<400> 135

```

ggtcggggtc gaggtctgtt cttgagaaca gcttgctattg gaattcacag agaggacaa      60
taatgtgagt gaggaagtga ctgtatgtgg atgtgggaga aagtaagta cgtgggcct      120
tgaggacttg gactgggtta ggaacagttg tattttcaga ggtgaggtgt ccagaaggga      180
aagtgaatgt ggtctggagt gtgtctttgg ctttggctcc acaggggtgt ctttctctg      240
gggcgcttag ggagctcat ccttctgttc tgcagggtg gggtaacggg gtttgacact      300
gaggagggta acctgctggc tggagcgga gaacagtggt cttgatttjt cttttggaag      360
attttaaaaa ccaaaaagca taaacattct ggtctctcac aatgctttct ctgaagaaat      420
acttaacgga aggactcttc catctaacat t                        451

```

<210> 136

<211> 411

<212> DNA

<213> Homo sapien

<400> 136

```

ggcgcgcggg gtaggtctga atcacgtaga atttgaagat caagatgatg aagccagagt      60
tcagtatgag ggtttctgac ctgggatgta tgtccgcgtt gagattgaaa atgttccctg      120
tgaattttgt cagaactttg acccctctta ccccatctac ctgggtgggt tgggcaacag      180
tgagggaakt gttggacatg tgcagggtgg tcccttttgt ggtatttgg tgcctgagge      240
ctgtgtggtt tccctccat caatcatctt accctctcat cccctccaga tgcgtctgaa      300
gaaacatctc tgggtataaga aaatcttcaa gtcccaagat ccaatcatat tttctgtagg      360
gtggaggaag ttccagaaca tctgtctcta ttatatcca agaccacaat g                        411

```

<210> 137

<211> 211

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(211)

<223> n = A,T,C or G

<400> 137

```

gggcggccgg ggcaggtcgg ttgggtgggg ctcacattgtt cgtgttttaa ggcgccatga      60
ggggtgacag aggcggtcgt cgtggcgggg gctttgggttc cagaggaggg ccaggaggag      120
ggtcagggcc ctttgcacca catatcccat ttgacttcta tttgtgtgaa atggccttcc      180
cccggtccaa gccagcacc ccatgaaaac c

```

```

<210> 138
<211> 471
<212> DNA
<213> Homo sapien

```

```

<400> 138
gggcggccggg cagggtctggg ctggcgactg gcacccaggg cgttaactgca aatctatgct      60
aggcgggggtc tcccttctgt gtgttcaagt gttctcgact tggattotta actattttaa      120
aaaatgcact gaggtttgggt taaaaaccaa ccacaaaaat ggatttcaac acagctctaa      180
agccaaagggg gtggcggggt ccccaacac agcgactcct ggaggccagg tggccatggg      240
cctacatccc cctcagcac tgaacagtga gttgattttt ctttttaca taaaaaaagc      300
tgagtcaaat tgcataaggag taccagaaa ctgctcatt ggaaacaaaa actatttaca      360
ttaaataaaa agcctggcgg caggctgggt ctggccatt tacagcagg tggcatgcac      420
acggtgacaa aaccacggag gcaagcttct ggcactcaca ccacgacccg c

```

```

<210> 139
<211> 491
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

```

```

<400> 139
gtcggggcgt aggtctgttc tttagctcag atttaaacct gctgtctctt ctttatttgc      60
agaatgaatt ccaggttctt gacagttcca agacccatg gaacggggag aagtttgtca      120
ccacagtgaat agaaattggt ggataagcga agtgccactg ggttctttgc cctccttcca      180
caccatggggg taaatctgta ccaagaaggt cctttcttag atttctctta cctttttgct      240
cttaaaaattg cttctctgct ctgagaagca cagctacctg ccttcactga aatatacctc      300
aggttgaaaat ttgggggtggg ataggaggt agttgatctt ctgcagggaag gtgcagcttt      360
tcacatccag ctcaaccac ccgncagtc attcttaagg aactgcggac taggactgat      420
gatgcatttt agtttttgag cttttggggg gtattctacc aaccaacagt ccatttggaa      480
a

```

```

<210> 140
<211> 421
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

```

&lt;400&gt; 140

gtcgcgggagg	agggtttccca	tttaagaaaa	atagatcttg	agattctgat	tcttttccaa	60
acagtcctctt	gtcttcctgt	acagcttttt	ctttacotta	ccccaaatto	tggccttgaa	120
gcagtttttt	tctatggctt	tgcctttctg	attttctcag	aggctcgagt	ctttaatat	180
acccccaaatg	aaagaaccaa	ggggaggggg	gggatggcac	ttttttttgt	tggctctgtt	240
tcgtttttgtt	ttctggctgg	tgggttcccg	ttatttttta	agattagcca	ttctctgctg	300
ctatttccctt	acataatgtc	aatttttaac	cataattttg	acatgattga	gagtgacttg	360
aggctttttt	gntttaattg	agaaaagact	ttgcaatttt	tttttttaga	tgagcctctc	420
c						421

&lt;210&gt; 141

&lt;211&gt; 242

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(242)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 141

cgantngccc	gcgggggcan	gtctgtctaa	ntctntcang	gaccacgaac	agaaaactgt	60
gcttcaccca	anacaaatat	cttaaacata	gaanaattta	aatattatga	aaaaaaacat	120
tgcataatat	aaaataaata	nnaaaaggaa	aggaaacttc	gaacattatg	tacccagcaa	180
atccaggctt	agcaaacagt	gttagtctta	nattacttga	tttacaacaa	cacatgaata	240
ca						242

&lt;210&gt; 142

&lt;211&gt; 551

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(551)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 142

agcgtgggtcg	gggncgang	tccacagggc	anataattctt	ttagtgtctg	gaattaaaaat	60
gtttgagjtt	tangtttgcg	attgtctttc	caaaaaggcca	ataaattcan	atgttaacac	120
accaagtcca	aactgtgtgt	ttctatttca	cgtaactgtg	tccataacagt	tctaaataca	180
tgttcaggggg	attgttagct	atgcattaca	cagtcgttca	gtttctctctg	cagacacact	240
aagtgatcat	acaaagctgt	tataacttca	attagaatat	ataaagcttt	aattctgaggg	300
caagtcacgt	ctctacaaaa	gggcaagttt	gcataataga	tcttcgatca	attctctctg	360
caagggggccg	gcaactaggg	tattattcat	aaaaacacac	tgaanagggg	attggctttta	420
ctggtaaatc	atgngntgtt	aaatcatttt	ctgaacagtg	gggtctaaat	cantcattga	480
tttagtggca	gcacactgac	ggggggccgn	togaagccca	attctgcaga	tatccatcac	540
actggcgggcc	g					551

&lt;210&gt; 142

&lt;211&gt; 515



<212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(515)  
 <223> n = A,T,C or G

<400> 143  
 ggagngggggg ggggggggag gtatcttcac aaactcaaca aagggaactac atgagacttc 60  
 acattccctt agtccaatag ctgacaaatt ttgcaacgt tctgcaatgc gaattaactc 120  
 ttcataaagt ggccgttaata ctttgcaca caataactagt tcaaccagtc tagggcatgt 180  
 cttcccaaca cggccaagca catctttggt tactgatctc ccaaagtaca gatgggtggc 240  
 aggtatttca tagcgaaaga aggggtcaaa tctttcttca tataanaaaa aatacatcac 300  
 taagttcaat ttgggtgaat gtctgatgaa agcatccag ctactcttct gaatagtatg 360  
 gaagtgtgtt tgtccaggat tctcactgac tacatcaatg cgcacatgtt ctaatcgaac 420  
 atgtttttca gaagacaatg caagtaacaa ctcatcactc aataagtggt aagttcaggg 480  
 ctagtctctt taagccgnga cactgatcag cacac 515

<210> 144  
 <211> 247  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(247)  
 <223> n = A,T,C or G

<400> 144  
 tgcattctct ntggatgcac acctgcccgt tggtagggac tntgctcaca cgggaacatgg 60  
 aaggttacac ctgtgcccgtt ggtgacgtcc accagcttct ggatcatctc ggggnggggtg 120  
 ttgtggaggg gtagactatc caactccatg cncacgatgc ccganaagcc actccggact 180  
 ntgtgtgtga ccaanatgac cagcattnta tcttcaagca nagcattat cagggctctt 240  
 ggcacac 247

<210> 145  
 <211> 309  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(309)  
 <223> n = A,T,C or G

<400> 145  
 cgtggggtcgc ggcccgangt ctgtctgtaac aaaacacccat agtctggggc gctcatagac 60  
 aatgggaattt tattctccac gcttctggag gctggattcc aagatcaagg ttccaggaga 120  
 ctacgtgtct ggcaaggtct cggtttctgc ctcanagatg gtgcatctg gctgtgtctt 180  
 cacaagtagg aaggtgcaag aagctccct caggtctgtt ctgtaagaca ctgatcccat 240

```

tcatgagggg gaaacgtaat gacctaataa gggggcagag accccacttc taacaccatc 300
accttgggg 311

```

```

<210> 146
<211> 486
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

```

```

<400> 146
agcgtgggga gaggcnogac gtctgtctca tatttcacag ccggagaact aatacaagat 60
gtcgacat ta tctttgtct ctacaactat ctcttanatg cacaataaag ggaaagtatg 120
gatttaaaat tgaaagaaca ggttgtcatt ttanatgaag ctataacat cgaggactgt 180
gtctggggaat cagcaagtta cagtgttaaa gaagttcaga ttgggtttgc tgggatgaa 240
ctanatagtt tggccaacaa taatataagg aaganagatc atgaacccct acgagctgtg 300
tgctgtatgt tcatctaattg gntagaagca aacgtcgaat atcttgnana angagantat 360
gaatcagatt gtaaaatatg gactggaaat gaaatgctct taactttaca caaaatgggt 420
atcaccatag ctacttttct catttttgng gtaagatata tttctacct gngaaacgta 486
tttaag 486

```

```

<210> 147
<211> 490
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(490)
<223> n = A,T,C or G

```

```

<400> 147
ggcgccgggg cangttcgac attatnnga gttccatgat gtacaattct ttacagaaaa 60
acaatgagtg caagaatttg aggatctctt tactccctcc ttttacagat ggtctctcaa 120
tccctctctt tttctcttca tcttctctt ctcttgaaag cgtcgccggg taccacggct 180
ttctctgctt ctatcttgag atgaaggatg tctctctgtt tcttctacca taactgaaga 240
aatctcgung caagtctctt gactggctgt ctctctgact tggctttint gtcaaacgng 300
agtctcttca cctcatgccc ctacagcttca cagcatcttc atctggatgt tnattcttca 360
aagggctctt tggggaaact ctctgatctn atgtctgana gcaactgtgaa gttttctctt 420
cattctg 430

```

```

<210> 148
<211> 443
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

```

<222> (1)...(483)

<223> n = A,T,C or G

<400> 148

```

ccccgggacagg tctgtgttgn ttttcaacccg gtgtctctccc cagcgtccag aananggaaa      50
tgtggagagggt gtgatgatga cccctcctgtg tcttgctaac tcttgccacag cttcgtatgt      100
gggtctgtgtc tgggaaccacc cgtacaggtt gtgcacgttg tagtgctcca cgggggagct      140
gtccgggacagg atctgtctgac tctccatgca cagagctctt ctgctcagge ccttgtccct      240
agattccaaa tatggcatat aggggtggggg tatttagcat ttcattgctg cagccctga      300
cagatccatc caccaaaatt gatggctcat tcatatcaat ccacaattca tcaaaacttca      360
agctctctct tggntctctga nggttttgcac agaacctctt tatctcttct tccaccacg      420
cacaacttgg ncccgacacc gctaagccga attctgcana tatccatcac actggggggc      480
gct

```

<210> 149

<211> 439

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(439)

<223> n = A,T,C or G

<400> 149

```

ctttccagaa nacaatgaat gcaagaatct gaggatctcc ttactctccc cttttacaga      50
tggctctcca atccctctct cttctctctt atctccatct tcttctgaac gcgctggcgg      100
gtaccacggc tttcttttgc tttatctgta gatgaagggt atgcttctgt ttctctacc      140
ataactgaag aaatttctgt gcaagctctt tgaactggct tttctccgac ttgcctttt      240
tgcacacgtg agtcttttta cctcatgcac cttagcttcc acagcatctt catctggatg      300
ttcattctct aaagggtcca ctgaggaaa cttctgactc catgtctgaag aagcactgng      360
agtctctctt catttctgtg aaantctctt ttctgtgggt gngctctcag accaccatt      420
tggctgcatg ggggtctgac

```

<210> 150

<211> 573

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(578)

<223> n = A,T,C or G

<400> 150

```

ggcncgccc ggbanctcca ctccactttt gagetctgag ggaataacct caggagggac      50
agggtcaggg agtctctgga gctccgcagc agagattcac attcattcag agacttgttg      100
tccagtgcac tgcattgat ccgaacgatt ctgtctccca cagcaaggga ccttctctta      140
ggggcagggc ttccaggcag cccagcggga gcatacact cattctccag actgatgcca      240
ctgtctttct gtccactgan gttgatgtgt agggcgtgta ccaccttccc acccagggac      300
ttctccgccc gacgacat gttgatgggt cccctnccca ttgaggagcg ccttgatggc      360

```

```

ctgctttctttg nctttgggtga tgaagtcac atcgggtgatt ctccacagcca gtcattgacc 420
cttaagcgggn catcagcaat gcttcctttg gccacttttag ngacaaatat gccacagtc 440
ccggggaaca aggggcattc acacctttctg gcatacaaaa cacttcgggc gggancacta 540
agccgaattc tgcagatata catcacactg gngggcgg 574

```

```

<210> 151
<211> 503
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(503)
<223> n = A,T,C or G

```

```

<400> 151
cgagcgggccc gcccggggag gtctggggaga tcagcgactg ctgccacgtg ccacagaaatg 60
gcttcgtcttt cactacagc ggaatgcaat gagggtgggt gagaagatga tgggtcgggt 120
atttcatttt tttctttttt acaacttcac ttccagagac tccagcgttc catgtctgt 180
gtgctgngga acccagagtg ctcttgcttg gatggctgag aatcccttgg accctggaag 240
cacttacttc atgatggccc ggtatagtgc aggtcaata taatcttcct ggtatcttga 300
gctgataact cgttcgggtt tttttcttg cttaacctct ttctctgtga aaatctcatt 360
gaagcgcatt tctgaagcta ctgacagttc anatttgact ctcttgggaa gctcttcatt 420
cagcgtgcat acatcatttc tcttaacctc aagttggagc catncttaaa ctccacttgg 480
cacatttggg tagggctggga ggc 503

```

```

<210> 152
<211> 553
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(553)
<223> n = A,T,C or G

```

```

<400> 152
agcgtggttg cggcccgagg tccactgagc tccgccttcc ccgggctccc tgagggaagca 60
gagtcctgac tcccgaggaag gataggacac agaggcaaga actcagcttg tgaggctctg 120
ggtggtcttc gaggccagag gacgccttcc ggcattccatg gctcagcatt gtccttctgg 180
cttcctagct ccgggcgcga cgttcgggtt aataagcaga gcagttattc ggtccttggc 240
aggagcttcc cgttagtttc ccacgttgtg agcacattca tacttaagac tgnctctct 300
tgtgtctaa ggtctgtctt cgttagtaaa cggaaatgtt aacagaaatg cagaccttgc 360
cgggcgggtg ctggaaagcc gaattctgca gatctccatc acactggggg ccgtctcagc 420
atgcatcag atgggcacat tgcctctata gtgagtcgna ttacaattca ctgggcgcgc 480
ntttacaaag tctgtaactg gaaaacctg cggtaacctc ttaatcgct tgcagnacat 540
ccccctttcg cca 553

```

```

<210> 153
<211> 454
<212> DNA

```

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(454)

<223> n = A,T,C or G

<400> 153

tggagcgggt	cgcccgggga	ggccaccta	gcattggtcc	tctaaacacg	caactcagcg	60
aggggaaccc	cttcacctct	ggcaagagag	ctgggttagat	cagaaacttg	gtgacacctg	120
gctagcacag	agtaggctca	cttgtcttgg	tcccatcac	cagattcttg	cagacattgc	180
aaaccaaaatg	aagggttgntg	aatgacccct	gtccccagcc	acttggtttg	gtatcatctg	240
ctctgcagtg	gaatgcctgt	gtgtttgagt	tcactctgca	tctgtatatt	tgagtataga	300
aaacgantca	agtgatctgt	gcattcagac	acactggggc	acctganca	agaacaaatc	360
accttaacga	tctggaatga	aactgnganc	antgcgcgcc	tgggtgggtc	tgganaaaat	420
gcgncctct	tgttggacct	tggccgcacc	acct			454

<210> 154

<211> 596

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(596)

<223> n = A,T,C or G

<400> 154

agcgtgggtcg	cgcccccagag	ggggcctctt	gattgagggg	aagggacgtg	ggggcggcca	60
cgccagggatt	aaacctccatt	tcagcttaac	atgggagaga	ttaaagtctc	tcctgattat	120
aaatgggttta	naggtacagt	tccctttaa	aagattattg	tggatgatga	tgacagtaag	180
atatgggtcgc	tctatgaagc	ggggcccccga	agtatcaggt	gtctctcat	attcctgcgc	240
ctgtcagtg	gaactgcaga	tgtcttttct	cgccagattt	tggctctgac	tggatggggc	300
tacgggggtta	tcgttttgca	gtatccagtt	tattgggacc	atctcgagtt	cttctgatgg	360
attccacaaa	cttttanacc	atttacaatt	ggataaagtt	catctttttg	ggccttcttt	420
gggagcttt	ttggcccaana	aattttgctga	atacactcac	aaatctctca	gaagccattc	480
ccataatctc	tgaattctct	tcagngacac	ctctatcttc	aaaccaactg	gactggaaac	540
agttttgggt	gattgcctgca	tttatgctca	aaaaatagtt	cttggaaatt	ttcctc	596

<210> 155

<211> 343

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(343)

<223> n = A,T,C or G

<400> 155

ctcganttgg	cncccccggg	cangtctgac	tgggttttga	ccngccgagc	tatttagct	60
------------	------------	------------	------------	------------	-----------	----

```

ctgggtctgtg ttccgggagct caaggnaaaa atcttgaana attcgagcag cttctgtgga 100
tagccttggg tagacatact gcggagcata gccaatgtac tttctcaata gctgggtggg 100
aatgggatct attgtttctc baggaaccac ctttagtctt tctgataatg gcttctcaga 240
aactacttca agtaagggaag tatttgaatc ttgactatnc atcggagcta ctgtggcact 300
gctaattgggn tctctgtctc ccagctctta ttgcaatcac atg 343

```

```

<210> 156
<211> 556
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(556)
<223> n = A,T,C or G

```

```

<400> 156
tcgagcggg : cgcctgggga ggtctgggac cactcagatc gattaactgg ctcctctgat 100
ctctgggga ccacccctgga actgacttag cacaaaagga cactcgaatt ccttatgatt 120
ctctcttggc ccccaaccaat caacacccctt gactcactgg ccttccccct cccacccaat 140
tatctttaaa aactcttgatc ccggaatgct cagggagatc gatttgagta ccaataagac 240
cccagctctc tgcacaagca gctctgtgta ccttctctct attgcaattc ctgtcttgat 300
aaatcggctc tctgttagggg gcggaagaa tgaacctgtt gggcggtcac cactctgtc 360
gtgtctgaca gttgntttga atctctaatt gctcagtcac gatccacatg caggttaagt 420
aagaagcttt tgaagaaaaa ggaaagtctt aagtgatggc ttccaagaaa tcaaacctac 480
attaattagg gaacaacgga ctttaagtat cacaatgaa gagactgaac aagtaaatca 540
acttggcctt tctctta 556

```

```

<210> 157
<211> 333
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(333)
<223> n = A,T,C or G

```

```

<400> 157
ggtcacacaaa aatatatnaa ataagctgga tatataaaan caaacactta acatngncan 60
cattctctta gttattcaca ctcactgata nctaaonggg agnagttggg attctgggaag 120
acttcttaag ctaaaaagtat attacatat ttacaacaca ngtaaatata acngaagaac 180
tacttcacat aannnggaaa ttccagaatt ctanagattt atagttatag ntnacaanta 240
tcaccaaatg gtttgcacac aanngcacag cactacttat gannaangtt taactannaa 300
accaaaaagg gagaaaaact ggnagggaaa nat 333

```

```

<210> 158
<211> 629
<212> DNA
<213> Homo sapien

```

<220>  
 <221> misc\_feature  
 <222> (1)...(629)  
 <223> n = A,T,C or G

<400> 158  
 ttgaggggac gccgggggag gtctgggtaca tttgtggagag gtccgggaact ctgtttctcat 60  
 ccagtaagtg gtccagagccct ttctgcagaa ttgctgttaa atgttctctt aatagctgtt 120  
 tctccacaca agcaatcagt ggtttctgtg tgtgtgggc ccagtaagtg attactctgt 180  
 ctctctcttc ttctaagggt ttacttatcat gggttaagata ttctggaaac tctctttctt 240  
 gcattaaact ttggcctctg gcagcatata agcaattagt ctcttccaaa aatttcagtt 300  
 caaatgaabc ttctataaac tgcaggctcag acagcatgcc caggncaggt ccgcaacagg 360  
 ctccgggtcca cggcctctgc gctctctctg cgtctgataa gcagtaggat tccatcaatg 420  
 gttttactct gaaccatttt atcactaata atatgggttc taaacagttc taatcccata 480  
 tccagatgg agggcagcgt ggagttctgc agcatatagg tggggtccaa gaacaggaag 540  
 atgcttctga tcatgaatca ttgctctggc aatggctctg ccagcaagtg gtaatcttct 600  
 ttttaaaaa: aaacccctat ctaaaagtc 629

<210> 159  
 <211> 629  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(629)  
 <223> n = A,T,C or G

<400> 159  
 ttgagggggc gccgggggag gttctagagg ganaactctgg ctgatttggg aataaaatat 60  
 aatcgaatat tcaacacccat gaagataaat ctattcttgg aaatctactg accttaatac 120  
 cccaagcttg cccctgaatac ttctgattgga atgggaatat atcaaaaaag gtttagtatt 180  
 ttgttctagt taggatacta aaaggatatt agttacccaa gagatccaat ttgttttctt 240  
 gatgaatagt gttccagtaaa atgaagcagt cttcaagagt actaataatt tcaaaagtga 300  
 tttctgctca ttcttaatat tttttaatta ttattttta agagttttat accttgagca 360  
 gatacaatga tccgttttag tgagaggaca atttctgatt gattgttttc tcttcaggcc 420  
 atctcaccgc ttctattctt tgttacattt gaagcagttg atataatggg ttctacattt 480  
 aaaagataga catggtgcca tgaagtttgg ggaagtggg tgaattatcc cattctagtt 540  
 acagangagg ttctcttaaa tgccttttac ttctangttt ggtcaagaag tcattttctg 600  
 agtaaaagt: attttcatat atgttgggg 629

<210> 160  
 <211> 519  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(519)  
 <223> n = A,T,C or G

&lt;400&gt; 160

tggagggggg	cgccggggca	ggctgtgtgg	gattaatgca	aagttnttca	gccataaggt	60
agcgaaatct	agcagaatcc	agattacatc	cacttccaat	cacgggggtgt	ttgggtaatc	120
cacttagttt	ccagataaca	taagtaagaa	tgccactggg	gttggaaaac	acaattatga	180
tgcaatcagg	actgtacttg	acgatctgag	gaataatgaa	tttgaagaca	ttaatatttc	240
tctgcaccag	attgagccga	ctctcccttt	cttgtgtgag	gaactcctga	gttaccacta	300
caatcttana	attggggggg	ccacagaata	atctttatct	gccacaattt	taggtgttga	360
agaaataagg	cccatgtgtg	cagatccatc	attcttctct	taagcttata	ttccaaaaaa	420
tcacacaagan	caangttcat	cagccagaga	ctttccacaga	atgtgtgatg	nacacggcat	480
accaacttgt	ccaacandca	ctacagcgat	cttatttgtt			519

&lt;210&gt; 161

&lt;211&gt; 446

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(446)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 161

cgagngggcc	ggccggggag	gtccagtaag	cttttnaaga	tgatgggaaa	ggttatgcaa	60
ggtcaccagg	gtacaaagg	ctgtttctac	atcatttgta	ttctgcattg	taagtacaa	120
agcagacacc	atctgaggag	aaagcatgat	aggtgtgtgt	gaagcttctt	ttttagaaag	180
ctgatggacc	ataactgcag	ctttattaac	caccacctgg	ctctgtctat	ttagtagttt	240
tgccagtcca	gggattgcac	gggtggcang	ttctgcacca	ctttgatagt	taataagttt	300
tacaactggc	atgtttcagg	atctgggatg	ggctcaggaa	acgtcggaca	ttantgggat	360
gagcagcatc	aaactgtgtg	natgggatct	gcattgcctc	atctaatgtc	tcagggaaca	420
tagcagcttg	tacctcttga	gtctga				446

&lt;210&gt; 162

&lt;211&gt; 354

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(354)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 162

agggtngtgg	cgcccgang	ccctggggaag	ctttnttggc	tgagccctac	agcctctgtc	60
agggggttgc	ggatccagg	gtccaccagg	ctctccaggc	ctccggggtg	ggagnggggt	120
gagggcamaa	aaaccttccc	aaggccaaaga	anggcaaaat	tggtggcatt	ccanagcttg	180
ttgcanaagt	gggggnaacc	cagtatccgg	ttccatccca	ggntgatgtc	acgaccttgg	240
gacatgtang	ccataatcc	aaaccggaga	gcattgggtg	ccatttccag	aatccccgt	300
gggaagtccg	ctttctggcc	ttctttggcc	ttctccacct	cgctgggata	cagg	354

&lt;210&gt; 163

&lt;211&gt; 258



<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(258)  
<223> n = A,T,C or G

<400> 143

tttttcttca agtctctcttg ccgnggggatc tngactgcac tttaagacac ttctaattag	60
ttataccag ggcctgcaca attgctgggt ttatataata tattcttctt gcaagaagat	120
ttattatctt gttggatgat tctattttta ttntatttat tctggccaaa aaagaacctt	180
ctccgtctgt caggagangc caatntgtct tgaaggacaa gagaaagatg ctaacacaca	240
ctttctcttt cttgagga	258

<210> 144  
<211> 242  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(282)  
<223> n = A,T,C or G

<400> 144

ggaacataat accttttaaat tacttgggtc aatgaaacat ttaataaaaa catttgcctc	60
cttatataat aggtatgtat aaaataagcc ttttcanaaa ctctggctct cataatcctc	120
tataaatcan atgatctgac ttctaagagg aacaaattac agnaaggggt atacatttat	180
gaatactggg agtaactagc ganngaagct aaaccactct actaccactt gcggaactct	240
cacagggtta atgacaaaag caatgaactg ctctaaaaac aa	242

<210> 145  
<211> 462  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(462)  
<223> n = A,T,C or G

<400> 145

gcctggggcan gctctgtaat ccagctact cangangctg agtcatgana atgctctgaa	60
tcctgggaggt agaggccgca gggagcaaa agtaagctac tgcactccag tctgggtgac	120
agagttagaa tctgtctgtt gctctctctg cattgggtct aaatgggttt gtagaacatg	180
ccacagaagg accagcaca gcaacaaatg gatttctgga angcgtagct ccaaatggag	240
cangcacact tgatgaagca cgtctgtctt gtgcagangc aaccactggc actgttccaa	300
aaacattgct gctagcatta ctgtgtggaag tatacgcatt actggaggtg gctgcanaac	360
tgaaaagctt gctagttctt ggcanaagct cataactgnc tgaanatgca ctgactgac	420
tgggaactga accacanaac caacaggacc tttaactgtg ga	462

<210> 155  
 <211> 355  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(355)  
 <223> n = A,T,C or G

```

<400> 155
cgtgggttgg ggmgcangt ctgaaaccaa tccagaasta aacatcagca cacaaaaaat      60
accaggatag atggaatcaa aagactctga agcaaaaagg aggcctagga gagcaactga      120
acttagcaag ctgaggactt cagtgtccat caccagatcc tgcctgttaa caacaggtct      180
atatgataga gatattccat ctgagctgga ggccattatc cttagcaaac taacacagaa      240
cagaaaaaaa aatccatgtt ctcatctaga agtaggagct aaatgatgag aactcaagga      300
cacaaagaaa ggacacaacg acactggggc ctacttgagg gtggagggtg ggaggaggga      360
gaaga

```

<210> 157  
 <211> 354  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(354)  
 <223> n = A,T,C or G

```

<400> 157
agcgtgggtg ggmgcgang tccagcccta gcttgccctg gactccgccc tcaactgggtg      60
ctctctctaa aagttgctga ctctttactg tatctcccaa tccccactcc atttggtcca      120
taaggggagg ggtgtctccg tcaacatggt gtccctggta ccaagaactg gctgacgaag      180
ctgggtgaaa tggctccatg ctgtaatccc agcacttttg ggaggccaag aaggggggat      240
cacttgaggt ctggagttca agatccagcc gaccaacatg atgaaaccaa gtctccacta      300
aaaatataaa acaattagcc aggcctgggt gtgggtgccc gnaatcccag ctactgggga      360
ngct

```

<210> 158  
 <211> 447  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(447)  
 <223> n = A,T,C or G

```

<400> 158
cccgggcagg tcaaaaacca aaacttttca ttttagccca aaccagctca tgattaggta      60

```

```

tacaaggata acagaaccag ttgtcaggac gaggatttga caagtaaaag caattcttgc 120
aaagctggag ttcattccag tcatgggatg tgtctttata tagcatcttc gcaatgtcag 130
cttcttcact gtctgttcca tagaaaatca cggctatttg gagaagcaat tgggcatcag 240
ctttgaactc ttcataactt cggctatttc cttcattcac tttctcttga atgggtgggaa 300
cgtccacaga cctcgggcgc gaccacgcta agcccgaaat ctgcagatat ccattcacact 360
ggcggcgggt cgagcatggc atttagaagg cccaatttgc ctatagngag cctgnattacc 420
aatccactgg cctcctgnttt acaaagc 447

```

```

<210> 169
<211> 524
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = A,T,C or G

```

```

<400> 169
cgantngggg gctcggggcag gtctgagcag cctttctggn tctcgggacta ttgggattgg 60
gttcattccca cagagactgt atggatgtta gaatgggaag cacatcatag gttggactcc 120
aacgggtcttg aagtatgttc agacatatac taccatctgc atagactaag aacaaagaag 180
taggtacatt aakcgtaaca agaccactaa ggttttaaca ttatagacaa aacanaata 240
gtcaagantc ctttctcttt gaagtttaaa gattcttatg ttgcttccca gtttaactgc 300
taaaaagatc agncataaac accactagtg aaataatcan gatgatcaga gaatgcacaa 360
tgtgatccgt ataaaaactgg angatattna gtgtcatctt ttggaaaagg ctgccttatn 420
atccagg (aa caanaaacat tnttgaacag ggnccttagc tatccacaga catgtgggaa 480
attcatttcc caaatngtag gtctggatccc ctatctgaaa taac 524

```

```

<210> 170
<211> 332
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

```

```

<400> 170
tcganoggin cgttcggggc ggtgcacaaa ctgttattga agatgttggg tctgatgagg 60
aanaanaatc gaaggggatgg tgacaagaan aanaanaaga agattaagga aaagtacatc 120
gaccaag (aa agttcaaaa aacaaagccc attctggaca gaaatcccca ccatattact 180
aatganga (g acagagaatt ctataanagc ttgaccaatg actgggaaga tcaattggga 240
gggaagc (tt tttagttga nggacajtg gaattccagag cctttctatn tgtcccacga 300
cgtgtctctt ttctatctgt tganancaga aa 332

```

```

<210> 171
<211> 334
<212> DNA
<213> Homo sapien

```

<220>  
 <221> misc\_feature  
 <222> (1)...(334)  
 <223> n = A,T,C or G

<400> 171

cgagngggnn: gcccgggag	gtctgttgat	agcgacttaa	cagaaaaagtc	tagacaaaca	60
taagcatgaa	aaattacagt	ctttctaccc	ttgggaatgg	ggagaaaaag	120
cccaagaccc	gaaataataa	gtctgtttc	tggtctgaa	cattcagaat	180
ttggctgac	accacattan	aatttggct	ggaaatcaca	ctttaganao	240
aagccatttc	atactatoga	cttaaattcc	agtctaacgg	ttcttttaca	300
aagccctctt	atatgctagt	tgtaggaaat	atag		334

<210> 172  
 <211> 434  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(439)  
 <223> n = A,T,C or G

<400> 172

agcgtggctg	cgcccgagng	ctctcttata	aaactagaat	ctcgagcttg	ggctccagct	60
tcattctcac	aggtcatcat	cttcctccgg	gagagcagtt	gtctgagcaa	ctcttaagtc	120
gtgctctatn	tgtgttgcca	aagctgggtc	cattgacaact	ctcgttgggg	cgagagcagg	180
cattggcaaa	aattccaaat	taggtctctc	aatgagcttc	ctagcaagcc	agaggaaggg	240
ctctccaaag	ctgtagttac	ctttggcaga	aatgtcttag	ctctgaagat	ctctcttttg	300
gtggaaagaa	atggattctg	ctctcacttc	ctgctttaat	atccactttg	gtgcccacaa	360
acacaatggg	gatgntttca	cacacttngn	accanatttc	tatgcccagt	agggcatttt	420
ggaagnattt	cganggtac					439

<210> 173  
 <211> 539  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(539)  
 <223> n = A,T,C or G

<400> 173

cgatngggcc	ccggggcgag	ctctgtaaaa	naggaaattc	agacatctga	cgactctgta	60
ttgaatgtgg	agctgacttg	aattattttg	cagaagacaa	gaatagtggc	ctgcaacttg	120
cgaagcagtc	taacaaatgt	cttgtgtacg	acttcttgaa	gaaccattta	gagacacttt	180
caagagttag	agaagagaca	ataaaggatt	aatttgaagc	tgcccttgct	ctgtctagaac	240
cagttttctc	aatgcctgtg	cctcgactct	gtgagggctc	agatttttca	acagatttca	300
attaccaaac	ccacacagaa	ataccagaag	gtcttggeat	ctgtgtgttt	atcttccatg	360

aaaatttttt	gggttaaagaa	gttatttgc	ggtctctgtg	acctgttagt	gtacaagctg	420
tagttctgaa	tgataaattt	cagcttctg	ttttctctg	ctctgctctg	ttgtccaggg	430
tggagtgcag	tgggtgggat	tacagctcac	tggagtcttg	acttcccagg	cacaagcaat	540
cttcccactt	cagcttctta	actacctggg	actaaaaatg	cactggccac	acattccgg	570

&lt;210&gt; 174

&lt;211&gt; 453

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(458)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 174

tcgatttttt	gggtggggga	gggtccatgcn	gnttntgccc	attcccattgg	ngcccagacaa	60
ccccatccc	gaggtggaga	ccccatggt	catgttccatg	ccccccatgc	cttggctccat	120
ccccggcttg	ttcccagag	gggtccattcc	catggtgccc	gtccattacac	ggggcatggt	180
cataggcatg	ggtcccccca	ggagaggggt	agnttgaggg	gggacaggaa	gcattgttga	240
tggagaaatg	aggtccacag	ccccaaaaac	tttgagtcac	cacattccata	ggctgctgca	300
tactctgtct	gctgaatcca	ttgtatncag	tgatgggctg	ctggggnttt	ggaaggctng	360
cataccaggt	agtaagntcg	cttaggttga	tgcttacacc	tggggtcaga	ccaagtanga	420
gggcaaggtt	tcgttgactg	attttctgga	ccccatccc			458

&lt;210&gt; 175

&lt;211&gt; 1206

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 175

gggacagagga	agtttttctg	actgaaaaag	aaactgtccg	aagcaaaaaga	aataaaaatca	60
cagttcagaga	acccaaaaagt	taaatgggaa	caagagctct	gcagtgtgag	gtttctccaca	120
ctccatgaaga	tgaaaatttat	ctcttccatg	aaaatttgcac	gttgaaaaag	gaaatttgcga	180
tgttaaaaatt	ggaaatagcc	acactgaaac	accaatacca	ggaaaaaggaa	aataaataact	240
tcgagggaatt	taagattttta	aaagaaaaaga	atgctgaact	ccagatgacc	ctaaaaactga	300
aagagggaatt	attaactcaaa	agggccatccc	aataatagtgg	gcagcttcaaa	gttctgatag	360
ctgagaaacac	aatgctccat	cttaaaattga	aggaaaaaca	agacaaaagaa	ataactagagg	420
cagaaatttga	atcacaccat	cttagactgg	ctctctgctgt	acaagaccat	gatcaaatgg	480
tgacatcaag	aaaaagtcac	gaacctgctt	ccccccattg	aggagatgct	tgcttgcaaa	540
gaaaaatcgaa	tgtctgactg	agtagtacga	tatataacaa	tgaggtgctc	catcaaccac	600
ttctctgagtc	ccaaaggaaa	ccccaaaagcc	taaaaaattaa	cttcaattat	gcgggagatg	660
ctcctaagaja	aaatacattg	gattccagaa	atgcacaaag	agaccaaggt	gaaacacagt	720
gtcaaatcgaa	ggaagctgaa	ccatgttatc	aaaaagaaac	agataaagtg	aaacaaacaca	780
ctgaacagga	ggaatctctta	gacacagaat	tatttccact	acaaagcaaa	aataatgtggc	840
ctcaacagga	attagttccat	gcacataaga	aagctgacaa	caaaagcaag	ataacaaattg	900
acattccattt	ttctgagagg	aaaatgcacc	atccctctct	aaaagagaaa	aatgaggaga	960
tatttaatta	caataaccat	ctaaaaaaac	gtatatatca	atatgaaaaa	gagaaagcag	1020
aaacagaagt	tatataatag	tataacactg	ccaaggagcg	gattatccca	tttccatctt	1080
gttaattccag	tgcttgcacc	gtggttgttg	aataaatgaa	taagaatga	gaaaaccaga	1140
agctctgata	cataatcata	atgataatta	tttccaatgca	caactacggg	tggtgctgct	1200

cgtgdc

1206

<210> 176  
 <211> 317  
 <212> PRT  
 <213> Homo sapien

<400> 176  
 Met Gly Thr Arg Ala Leu Gln Cys Glu Val Ser His Thr His Glu Asn  
 1 5 10 15  
 Glu Asn Tyr Leu Leu His Glu Asn Cys Met Leu Lys Lys Glu Ile Ala  
 20 25 30  
 Met Leu Lys Leu Glu Ile Ala Thr Leu Lys His Gln Tyr Gln Glu Lys  
 35 40 45  
 Glu Asn Lys Tyr Phe Glu Asp Ile Lys Ile Leu Lys Glu Lys Asn Ala  
 50 55 60  
 Glu Leu Gln Met Thr Leu Lys Leu Lys Glu Glu Ser Leu Thr Lys Arg  
 65 70 75 80  
 Ala Ser Gln Tyr Ser Gly Gln Leu Lys Val Leu Ile Ala Glu Asn Thr  
 85 90 95  
 Met Leu Thr Ser Lys Leu Lys Glu Lys Gln Asp Lys Glu Ile Leu Glu  
 100 105 110  
 Ala Glu Ile Glu Ser His His Pro Arg Leu Ala Ser Ala Val Gln Asp  
 115 120 125  
 His Asp Gln Ile Val Thr Ser Arg Lys Ser Gln Glu Pro Ala Phe His  
 130 135 140  
 Ile Ala Gly Asp Ala Cys Leu Gln Arg Lys Met Asn Val Asp Val Ser  
 145 150 155 160  
 Ser Thr Ile Tyr Asn Asn Glu Val Leu His Gln Pro Leu Ser Glu Ala  
 165 170 175  
 Gln Arg Lys Ser Lys Ser Leu Lys Ile Asn Leu Asn Tyr Ala Gly Asp  
 180 185 190  
 Ala Leu Arg Glu Asn Thr Leu Val Ser Glu His Ala Gln Arg Asp Gln  
 195 200 205  
 Arg Glu Thr Gln Cys Gln Met Lys Glu Ala Glu His Met Tyr Gln Asn  
 210 215 220  
 Glu Gln Asp Asn Val Asn Lys His Thr Glu Gln Gln Glu Ser Leu Asp  
 225 230 235 240  
 Gln Lys Leu Phe Gln Leu Gln Ser Lys Asn Met Trp Leu Gln Gln Gln  
 245 250 255  
 Leu Val His Ala His Lys Lys Ala Asp Asn Lys Ser Lys Ile Thr Ile  
 260 265 270  
 Asp Ile His Phe Leu Glu Arg Lys Met Gln His His Leu Leu Lys Glu  
 275 280 285  
 Lys Asn Glu Glu Ile Phe Asn Tyr Asn Asn His Leu Lys Asn Arg Ile  
 290 295 300  
 Tyr Gln Tyr Glu Lys Glu Lys Ala Glu Thr Glu Val Ile  
 305 310 315

<210> 177  
 <211> 20

<212> DNA  
 <213> Artificial Sequence

<220>  
 <224> Made in the Lab

<400> 177

ccaatcattc ccacaggagg

23

<210> 178  
 <211> 1665  
 <212> DNA  
 <213> Homo sapien

<400> 178

gcaaaactttt	aaggcagagcc	tcctcgagaag	ccatctgcct	tccagcctgc	cattgaaatg	60
caaaagctctg	ttccaaataa	agccttggaa	ttgaagaatg	aacaaacatt	gagagcagat	120
cagatgttcc	cttcagaatt	aaaacaaaag	aaggttgaag	aaaattcttg	ggattctgag	180
agtctcggtg	agattgtttc	acagaaggat	gtgtgtgtac	ccaaggctac	acatcaaaaa	240
gaaatggatc	aaataagctg	aaaattagaa	gattcaacta	gcctatcaaa	aatcttggat	300
acagttcttt	cttgtgaaa	agcaaggga	cttcaaaaag	atcactgtga	acaacgtaca	360
ggaaaaatgg	aacaaatgaa	aaagaagttt	tgtgtactga	aaaagaaaat	gtcagaagca	420
aaagaaataa	aattacagtt	agagaaccaa	aaagttaaat	gggaacaaag	gcctctgagt	480
gtgaggtttc	tcacactcat	gaaaatgaaa	attatctctt	acatgaaaat	tgcattgtga	540
aaaaggaaat	tgcctatgta	aaactggaaa	tagccacact	gaaaacacaa	taccaggaaa	600
agggaaataa	atacttttag	gacattaaga	tttcaaaaag	aaagaatgct	gaaacttcaga	660
tgacctcaaa	actgaaagag	gaatcattaa	ctaaaaaggg	atctcaatat	agtggggcag	720
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aagaaatact	agaggcagaa	attgaatcac	accatcttag	actggcttct	gctgtacaag	840
accatgatch	aatttgtaca	tcagaaaaaa	gtcaagaacc	tgttttcac	attgcaggag	900
atgctctgct	gcacagaaaa	atgaatgttg	atgtgagttag	tacgatatat	aacaatgagg	960
tgtccctcca	accactttct	gaagctcaaa	ggaaatccaa	aagcctaaaa	attaattcca	1020
attatgcctg	agatgctcta	agagaaaata	cattggcttc	agaacatgca	caaagagacc	1080
aaagtgaacc	acagtgtcaa	atgaaggga	ctgaacacat	gtatcaaaa	gaacaagata	1140
atgtgaacaa	acacactgaa	cagcaggagt	ctctagatca	gaaattatct	caactacaaa	1200
gcaaaaatct	gtgggtttca	cagcaattag	ttcatgcaca	caagaagct	gacaaacaaa	1260
gcaagataac	aattgatatt	cattttcttg	agaggaaaa	gcaacatcat	ctctcaaaag	1320
agaaaaatgg	ggagatatct	aattacaata	accatttaaa	aaacccgtata	tatcaatatg	1380
aaaaagagaa	agcagaaaac	gaaaactcat	gagagacaag	cagtaagaaa	cttcttttgg	1440
agaaacaaac	gacagatctt	ttactacaaa	ctcatgctag	gaggccagtc	ctagcattac	1500
cttatgttga	aaatcttaac	aatagtctgt	gtcaacagaa	tacttatctt	agaagaaaaa	1560
ttcatgattt	cttcttgaa	ctggggcgac	agagcgagac	tctgtctcaa	aaaaaaaaaa	1620
aaaaaaaaaa	agaaagaaat	gcctgtgctt	acttgccttc	ccagg		1665

<210> 179  
 <211> 179  
 <212> PRT  
 <213> Homo sapien

<400> 179

Ala Asn Phe Gln Ala Glu Pro Pro Glu Lys Pro Ser Ala Phe Glu Pro

1	5	10	15
Ala Ile Glu Met Gln Lys Ser Val Pro Asn Lys Ala Leu Glu Leu Lys			
20	25	30	
Asn Glu Gln Thr Leu Arg Ala Asp Gln Met Phe Pro Ser Glu Ser Lys			
35	40	45	
Gln Lys Lys Val Glu Glu Asn Ser Trp Asp Ser Glu Ser Leu Arg Glu			
50	55	60	
Thr Val Ser Gln Lys Asp Val Cys Val Pro Lys Ala Thr His Gln Lys			
65	70	75	80
Glu Met Asp Lys Ile Ser Gly Lys Leu Glu Asp Ser Thr Ser Leu Ser			
85	90	95	
Lys Ile Leu Asp Thr Val His Ser Cys Glu Arg Ala Arg Glu Leu Gln			
100	105	110	
Lys Asp His Cys Glu Gln Arg Thr Gly Lys Met Glu Gln Met Lys Lys			
115	120	125	
Lys Phe Cys Val Leu Lys Lys Lys Leu Ser Glu Ala Lys Glu Ile Lys			
130	135	140	
Ser Gln Leu Glu Asn Gln Lys Val Lys Trp Glu Gln Glu Leu Cys Ser			
145	150	155	160
Val Arg Phe Leu Thr Leu Met Lys Met Lys Ile Ile Ser Tyr Met Lys			
165	170	175	
Ile Ala Cys			

&lt;210&gt; 130

&lt;211&gt; 1681

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 130

gatacagttca tttttgtgaa agagcaagggt aattcaaaa agatcactgt gaacaacgtg	60
caggaaaaat ggaacaaaatg aaaaagaagt ttgtgtact gaaaagaaa ctgtcagaag	120
caaaagaaat aaatcacag ttagagaact aaaaagttaa atgggaacaa gagctctgca	180
gtgtgagatt gactttaaac caagaagaag agaagagaag aaatgcgat atattaaatg	240
aaaaaattag ggaagaatta ggaagaatcg aagagcagca taggaagag ttagaagtga	300
aacaaacact tgaacagggt ttacagaatac aagatataga attgaagagt gtagaagtga	360
atttgaatca ggtttctcac actcatgaaa atgaaaatta tttttacat gaaaattgca	420
tgttgaaaaa ggaatttgcg atgtcaaaa ttggaatagt cacactgaaa caccaataac	480
aggaaaaggga aaataaatac tttagaggaca ttaagatttt aaaagaaaag aatgttgaac	540
ttcagatgac cttaaaaactg aaagagggaat cattaactaa aagggcactc caatatagtg	600
ggcagcttaa agttctgata gctgagaaca caatgtcac ttttaattg aaggaaaaac	660
aagacaaaaga aatactagag gcagaatttg aattcacaca ttttagactg gttctgtgtg	720
tacaagacca tgaacaaatt gtgacatcaa gaaaagtcaa agaacttgtt ttacacattg	780
caggagatgt ttgttttgca agaaaaatga atgttgatgt gattagttag atataataa	840
atgaggtggt ccatcaacca ttctctgaag ctcaaaaggaa atccaaaagc ctaaaaatta	900
atctcaatta tgcgggagat gctctaagag aaaaacatt ggtttcagaa catgcacaaa	960
gagaccaacg tgaacacacag tgtcaaatga aggaagtga acacatgtat caaaaacgaac	1020
aagataatgt gaacaaaacac actgaacagc aggagtctct agatcagaaa ttatttcaac	1080
tacaaaggcaa aaatatgttg cttcaacagc aattagtcca tgcacataag aaagctgaca	1140
acaaaaggcaa gataacaatt gatattcatt ttcttgagag gaaaatgcaa catcatctcc	1200
taaaagagaa aaatgaggag atattttaatt acaataaaca tttaaaaaac cgtatatatc	1260



aatatgaaaa	agagaaagca	gaaacagaaa	attcatgaga	gacaagcagt	aagaaacttc	1320
ttttggagaa	aaaacagacc	agatctttac	tcacaactca	tgotaggagg	ccagtccatg	1380
cattacotta	tgttgaaaaa	tcttaccaat	agtctgtgtc	aacagaatac	ttattttaga	1440
agaaaaattc	atgattcttt	cctgaagcct	acagacataa	aataacagtg	tgaagaatta	1500
cttgttcacg	aattgcataa	aagctgcccc	ggatttccat	ctaccctgga	tgatgcggga	1560
gacatcattc	aatccaaacc	gaatctcgct	ctgtcactca	ggctggagtg	cagtgggggc	1620
aatctcgggt	cattgcaact	ctgctcccca	ggttcaagcc	attctctggc	acagctccc	1680
g						1681

&lt;210&gt; 181

&lt;211&gt; 432

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 181

Asp	Thr	Val	His	Ser	Cys	Glu	Arg	Ala	Arg	Glu	Leu	Gln	Lys	Asp	His
1				5					10					15	
Cys	Glu	Gln	Arg	Thr	Gly	Lys	Met	Glu	Gln	Met	Lys	Lys	Lys	Phe	Cys
			20					25					30		
Val	Leu	Lys	Lys	Lys	Leu	Ser	Glu	Ala	Lys	Glu	Ile	Lys	Ser	Gln	Leu
		35					40					45			
Glu	Asn	Gln	Lys	Val	Lys	Trp	Glu	Gln	Glu	Leu	Cys	Ser	Val	Arg	Leu
	50					55				60					
Thr	Leu	Asn	Gln	Glu	Glu	Glu	Lys	Arg	Arg	Asn	Ala	Asp	Ile	Leu	Asn
	65				70					75				80	
Glu	Lys	Ile	Arg	Glu	Glu	Leu	Gly	Arg	Ile	Glu	Glu	Gln	His	Arg	Lys
			85				90						95		
Glu	Leu	Glu	Val	Lys	Gln	Gln	Leu	Glu	Gln	Ala	Leu	Arg	Ile	Gln	Asp
			100				105						110		
Ile	Glu	Leu	Lys	Ser	Val	Glu	Ser	Asn	Leu	Asn	Gln	Val	Ser	His	Thr
	115					120					125				
His	Glu	Asn	Gln	Asn	Tyr	Leu	Leu	His	Glu	Asn	Cys	Met	Leu	Lys	Lys
	130					135					140				
Glu	Ile	Ala	Met	Leu	Lys	Leu	Glu	Ile	Ala	Thr	Leu	Lys	His	Gln	Tyr
	145				150				155					160	
Gln	Glu	Lys	Glu	Asn	Lys	Tyr	Phe	Glu	Asp	Ile	Lys	Ile	Leu	Lys	Glu
			165					170					175		
Lys	Asn	Ala	Glu	Leu	Gln	Met	Thr	Leu	Lys	Leu	Lys	Glu	Glu	Ser	Leu
	180							185					190		
Thr	Lys	Arg	Ala	Ser	Gln	Tyr	Ser	Gly	Gln	Leu	Lys	Val	Leu	Ile	Ala
	195					200						205			
Glu	Asn	Thr	Met	Leu	Thr	Ser	Lys	Leu	Lys	Glu	Lys	Gln	Asp	Lys	Gln
	210					215				220					
Ile	Leu	Glu	Ala	Glu	Ile	Glu	Ser	His	His	Pro	Arg	Leu	Ala	Ser	Ala
	225				230					235				240	
Val	Gln	Asp	His	Asp	Gln	Ile	Val	Thr	Ser	Arg	Lys	Ser	Gln	Glu	Pro
			245					250					255		
Ala	Phe	His	Ile	Ala	Gly	Asp	Ala	Cys	Leu	Gln	Arg	Lys	Met	Asn	Val
	260					265						270			
Asp	Val	Ser	Ser	Thr	Ile	Tyr	Asn	Asn	Glu	Val	Leu	His	Gln	Pro	Leu
	275						280					285			

```

Ser Glu Ala Gln Arg Lys Ser Lys Ser Leu Lys Ile Asn Leu Asn Tyr
 290                      295                      300
Ala Gly Asp Ala Leu Arg Glu Asn Thr Leu Val Ser Glu His Ala Gln
 305                      310                      315                      320
Arg Asp Gln Arg Glu Thr Gln Cys Gln Met Lys Glu Ala Glu His Met
                      325                      330                      335
Tyr Gln Asn Glu Gln Asp Asn Val Asn Lys His Thr Glu Gln Gln Glu
                      340                      345                      350
Ser Leu Asp Gln Lys Leu Phe Gln Leu Gln Ser Lys Asn Met Trp Leu
                      355                      360                      365
Gln Gln Gln Leu Val His Ala His Lys Lys Ala Asp Asn Lys Ser Lys
                      370                      375                      380
Ile Thr Ile Asp Ile His Phe Leu Glu Arg Lys Met Gln His His Leu
 385                      390                      395                      400
Leu Lys Glu Lys Asn Glu Glu Ile Phe Asn Tyr Asn Asn His Leu Lys
                      405                      410                      415
Asn Arg Ile Tyr Gln Tyr Glu Lys Glu Lys Ala Glu Thr Glu Asn Ser
                      420                      425                      430

```

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<210> 182
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<400> 182
gaggttttat gaggttttagc tttttctgggc tgggggagtgg agagaaagaa gttgcagggc 60
tracaggaaa tccagagacc tgaggttttc tccagattt gagaattcta gattctgcac 120
cattatcttt gagtctatat tctcttgggc tgttaagaaga tgagggaatgt aataggtctg 180
cctcaagctt ttatgcctt ctgtaccag ctgttttctt tgtgcattct tccaggtctc 240
tgggtgcttc ctatgggaga atgtgatttc caagacaatc aatccacaag tgtctaagac 300
tgaataraaa gaactctctc aagagtttat agacgacaat gccactacaa atgcataga 360
tgaattgaag gaatgttttc ttaaccaaac ggatgaaact ctgagcaatg ttgaggtggt 420
tatgcaatta atatatgaca ggaagtcttg tgatttattt taactttctg caagaccttt 480
ggctcacaga actgcagggg atggtgagaa a 511

```

```

<210> 183
<211> 260
<212> DNA
<213> Homo sapiens

```

```

<400> 183
cactctcagg tccagcttat ctgtcttggg gaagaaccat tctctggcat ccttggggtt 60
cttctcaggc atctctctat atgggtcagc catcttgctt agaattgggc tcaggtccac 120
gtcaggtgca gggtccatct ccacattgac atctccacc acctgggctc tcagggcatt 180
catctctcct tcttgggtct tcttcaggta ggcagctcc tcttcaggc tctcaatctg 240
catctcagg tcagctctgg
260

```

```

<210> 184
<211> 461
<212> DNA
<213> Homo sapiens

```

&lt;400&gt; 184

```

gtctgatggg agaccaaaaga atttgcaagt ggatgggttg gtatcactgt aaataaaaaag 60
agggcctttt ctagctgtat gactgttaact tgaccttctt tgaaaagcat tcccaaaatg 120
ctctatttta gatagattaa cattaaccaa cataattttt tttagatcga gtcagcataa 180
atttctaagt cagcctctag tcttggttca tctctttcac ctgcatttta ttgggtggtt 240
gtctgaagaa aggaaagagg aaagcaataa cgaattgtac tatttgtacc aaatctttgg 300
gattcattgg caataattt cagtgtgggt tattattaaa tagaaaaaaa aaattttggt 360
tcttaggttg aaggctaat tgatacgtt tgacttatga tgaccattta tgcactttca 420
aatgaatttg ctttcaaat aaatgaagag cagacctogg c 480

```

&lt;210&gt; 185

&lt;211&gt; 531

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 185

```

cttgatttta tttctttctc aaaaaaagtt atttacagaa ggtatatatc aacaattctga 60
caggcagtgga acttgacatg attagctggc atgatttttt cttttttttc ccccaaaat 120
tgtttttgtg gctttgaatt ttaagacaaa tattctacac ggcacattgc acaggatgga 180
tggcaaaaaa aagtttaaaa acaaaaaccc ttaacggaac tgccttaaaa aggcagacgt 240
cttagtggtt gtcatttat attaaacata cacacacaca atcttttttg ttattataat 300
acagacttaa atgtacaaag atgtttttca ctttttttca tttttaaaca caacagctat 360
aaacttgaa acatattgta tcatcatgac ataagactaa aacaattata tttagcgaca 420
agtggaaaag attaaatagt caaatacaag aatgaaaaac gcagtacata gtgtcgcgaa 480
ctcaaatogg catttagata gatccagtggt tttaaaacgg acgttttttg t 531

```

&lt;210&gt; 186

&lt;211&gt; 441

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 186

```

cattcctttc ctggcgctgg ggtttctctg tgtcagcgag cctcggtaca ctgatttcag 60
atcaaaaagaa tcatcatctt taccttgact ttcagggaa ttaactgaact ttctctcag 120
aagcttagggc acagccattg ccttggcctc acttgaaggg cctgcatttg ggtcctctgg 180
tctcttgcca agtttcccaa ccactcgagg gagaaatata gggaggtttg acttcctcag 240
gggttttccc gagggcttca cctgagccc tgcggccctc agggctgcaa tctgggattc 300
aatgtctgaa acttgcctct ctgcttgctg gactctgag gcctcactg ccactctgtc 360
ctccagctct gacagctctt catctgtggt cctgttgtac tggacggggg cccaggggtc 420
ctggggggtt tttctctgc t 441

```

&lt;210&gt; 187

&lt;211&gt; 371

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 187

```

aaaagtgaat gagtaactat tatattgttg gcaataataa gttgcaaaaa catcaggctg 60
caggctgttg atgggtgagag tgaactctgt ccagatcca ctgcgcctga accttgatgg 120
gacccagat tctaaastag aagccttatg gatcaggaga tttgggggtt tccctgggtt 180

```

```

ctgttgatac caggccaacc aactactaac attctgaatg gcccggaag tgatggtag 240
tctgtctcct acagttgcag acaggggtgga aggagactgg gtcattctgga tgtcacattt 300
ggcacttggg agccagagca gcaggagccc caggagctga ggggggaccc tcatgtccat 360
gttgagtccg g 371

```

<210> 188

<211> 226

<212> DNA

<213> Homo sapiens

<400> 188

```

ggatataaaa ttgagatgac cccccaggcc agcaaatggt ctttttttgtt caaagtctat 60
ttttatttct tgatactttt cttttttttt tttttgtgga tggggacttg tgaatttttc 120
taaaagtggt atttaacatg ggaggagagc gtgtgcggct ccagccagc ccgtctctca 180
ctttccacc cttctccacc tgcctctggc tctccaggac ctgccc 226

```

<210> 189

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(391)

<223> n=A,T,C or G

<400> 189

```

tgggtgaagt ttattctgtt ttcacatcta ggttggtggg ganagtgata gacaaagtcc 60
tggattcttg gcattcttgg cgcattgttg taatctact tgggaggttg anacaggaga 120
cttcggcgcg naccaagcta agggcgaatt ctgcacat acatccact gggggccgct 180
cagcatgca tctanagggc ccaatttccc ctatagttag ncttattaca attcactggc 240
cgtcgtttta caacgtcttg actgggaaaa cctggcggtt acccaactta atcgcccttc 300
agpacatccc ctttttcccc gctggcttaa tanagaagag gcccgcaatg atcgcccttc 360
ccaacanttg cgcagcctga atggcgcaatg g 391

```

<210> 190

<211> 501

<212> DNA

<213> Homo sapiens

<400> 190

```

cattctgggc tttctgagct gtttcggctt cttctcacta cggtcactgt caccctcatt 60
actggaggag ctggcagagg cgttgctgtc aaactctctt gccacatctt cctctctctc 120
acctgggttg aatgaattcat cggctctctt tcttgagcca tctctgtctg cattggcaat 180
ctctctccgg atcttgcttt cctctctcat cctctccaaag taggcacat gctgggtcctc 240
atcagagctc gcataattcat cgtagcttgg gtctcatgcc tctttcactc ctgggttttt 300
gatgttgagc tttctcggct tgacaaaaac aaacagcttc ccgtactcct cctctctcaat 360
gctgtctgaag gtatactgag tgccttgctt ggtctcaatt tcaaaagtcac aggaacagat 420
agtagtggtc ccacagagcaa agttgacaaa ggagatctca tccaagcgga tgtgcacagg 480
tggcttgctg acgtagatga a 501

```

<210> 191  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (49)  
 <223> n=A,T,C or G

<400> 191  
 ggaaaaaattg tgaaaaaatat atctgaattt attaagtaca gtataaaaana gggttgtggc 60  
 aacagaaagt aaaaaactaac atggattgct ataaatatgc tgaagcctag tggttcaaat 120  
 gatcaaatcc tctcatgcta ctctaaagtt tataaagaaa aaggatttac accttacaca 180  
 ctgtacataa aaggaataac ttctgagagt cagggagtgg ggaaagggga aggagacttg 240  
 a 241

<210> 192  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(271)  
 <223> n=A,T,C or G

<400> 192  
 tggctcttga ttccacacata aantanatcg actaaaaactg gcagaaattg tgaagcaggt 60  
 gatagaagan caaaaccagt ccacagaatc ccaataatga cagcttcaga ctttgctttt 120  
 ttacacattt gaaaaattat tctttaatgt ataaagtaat tttatgtaaa ttaataaata 180  
 ataatttcac ttccacattg attaaagctg ctgtatagat ttaggngnga ggaacttaata 240  
 atagnggaaa tgaaattatg atttattaat c 271

<210> 193  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<400> 193  
 agtcgagggc ctgatcccta aaatggggaa catgtgtttt catcatttca gccaaagtcc 60  
 taaatccctg tgcctttcct atcacctga gaagtaatta tcagtttggt tggattcttg 120  
 gacacccgtt cagtcatttt gggttggcgt gctcccaaaa catcttaaat gaaagtattg 180  
 gcatccaaa agacagaga caaaatgaaa gaaatgaga gcagaaagta agcatttcca 240  
 ggcatactaa tttctttagt tttctatttg cctccagtcg agtcatttc ctaatgtata 300  
 ccagcttact gtactattta aaatgctcaa ttccagcacc gatggacttg c 351

<210> 194  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 194

```

ctgagacaca gaggcccaact gcgagggggga cagtggcggg gggactgacc tgcctgacagt 60
caccctccct ctgctgggat gaggtccagg agccaactaa aacaatggca gaggagacat 120
ctctgggtgt cccaccaccc tagatgaaaa tccacagcac agacctctac cgtgtttctc 180
ttccatccct aaaccacttc cttaaaatgt ttggatttgc aaagccaatt tggggcctgt 240
ggagcctggg gttggatagg gccatggctg gtcccccacc ataccctccc tccacatcac 300
tgacacagac c                                     311

```

&lt;210&gt; 195

&lt;211&gt; 391

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 195

```

tgtcagagtg gcactggtag aagttccagg aacctgaac tgtaagggtt cttcatcagt 60
gccaacagga tgacatgaaa tgatgtactc agaagtgtcc tggaaatggg cccatgagat 120
ggtttgtctga gagagagctt cttgtcctgt ctttttcctt ccaatcaggg gctcgtctct 180
ctgattattc ttcagggcaa tgacataaat tgtatatctg gttcccggtt ccaggccagt 240
aatagtagcc tctgtgacac cagggcgggg ccgagggacc acttctctgg gaggagaccc 300
aggcttctca tacttgatga tgtagccggg aatcctggca cgtggcggct gccatgatac 360
cagcagggaa ttgggtgtgg t                                     391

```

&lt;210&gt; 196

&lt;211&gt; 401

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 196

```

cacaaacaag aggagcacca gacctctctt tggtctcgag atggcttcgc cacaccaaga 60
gccaaaacct ggagacctga ttgagatttt ccgcttggc tatgagcaat gggccctgta 120
tataggagat ggctacgtga tccatctggc tcttccaagt gactacccc gggctggctc 180
ctccagtgtc ttctcagtc ccagcaacag tgcagaggtg aaacgggagc gcttgggaaga 240
tgtgggtggg ggtgtttgt atcgggtcaa caacagcttg gacctgagt accaaccacg 300
ggcgttggag gtgatcaca gtctctgcga ggagatgggt ggtcagaaga tgaagtacag 360
tattgtgagc aggaactgtg agcaatttgt caccagacc t                                     401

```

&lt;210&gt; 197

&lt;211&gt; 471

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 197

```

ctgtaatgat gtgagcaggg agccttccct cctgggccc ctgcagagag ctttcccacc 60
aactctgtac ctgattggc ttacaaagtt atttgtttac aaacagcgac catataaaag 120
cctcctggcc caagcttgt gggcacatgg gcacatacag actcacatac agacacacac 180
atatatgtac agacatgtac tctcacacac acagggacca gcatacacac gttttttctag 240
gtacagctcc caggaacagc taggtgggaa agtcccatca ctgagggagc ctaacctatg 300
ccctgaacaa aaattgggca ctcatctatt ctttttctct tgtgtcccta ctcatgaaa 360
ccaaactctg gaaaggaccc aatgtaccag tattttatcc tctagtgaag cacagagaga 420
ggaagagagc tgcctaaaact cacacaacaa tgaactgcag acacagacct g                                     471

```

<210> 198  
 <211> 201  
 <212> DNA  
 <213> Homo sapiens

<400> 198  
 ggccacatga ggctctgtcg gccatgccca cagttcgaag ctttgccaac gaggagggcg 60  
 aagcccccga gtttagggaa aagctgcaag aaataaagac actcaaccag aaggaggctg 120  
 tggcctatgc agtcaactcc tggaccasta gtatttcagg tatgctgctg aaagtgggaa 180  
 tctctacat tggtaggcag a 201

<210> 199  
 <211> 551  
 <212> DNA  
 <213> Homo sapiens

<400> 199  
 tctggcagag atcttcaccc aacagggggt ccacgtgctg atcatcttcc gggctccacc 60  
 gggcctcgaa cacaccatct tccccatgag ccgggtgccg agtctggcga cttccatctt 120  
 ggcccccggc cttatgtccc agttatgacc cctgacttca actctggctc ttaccctgta 180  
 attccagttc atctctgaca tttttaacac ccggccttct gacccgtggc atagctcctg 240  
 acctcgcttc ccattctgag cccagtgcta gtccatgaga tcatgacctg acccctggct 300  
 tccaaacctt tgatccta atctgggaccc caatcctaga ccttgaaact gggaccctgg 360  
 agtccctgac cttagtcctg accgctaccc ttgattctga cctttgatcc tctaacttag 420  
 gggtaggcac tgaacttatt actgtcattt agctccttga ccttgccact tcaatcttgg 480  
 ctttatgacc ccttactctc aatttttaact ttaaccaaat gaccaaattt gtgacactaa 540  
 atgaccacaa t 551

<210> 200  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(211)  
 <223> n=A,T,C or G

<400> 200  
 cagctcuncc ggggacatgc ccttacaagt tggcanaagn ggcctgcact gctgggcttg 60  
 tctaaagcag gctgtgnc aattacctg cagaaaacct ctcatagggg ctacgatcgg 120  
 tctgtcagg gggacatag cgcacatggg tctgttaggt ggggnaactn ntnataggat 180  
 gctaggctc ccgggctgga aanatgnnca g 211

<210> 201  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

<400> 201

ccagtgaaaag gaaacaaaaa tggcagtttg tccatttgaa taccagacct agtttttttt 60  
 taattttccac attatttttc ccataatttc taaaactttt ggcattccac t 120

<210> 202

<211> 331

<212> DNA

<213> Homo sapiens

<400> 202

cgaaaaataca gaataaccagg tggctccaaa tgtttgaagt tctttgaaca gaaagagaga 60  
 ggagagagag agagaggaaa attccctaac ccttgggtta aagacaatat tcatttattg 120  
 ctcaaatgat gtttttaagg gaggacagtg gaataaaaata aacttttttt ttctccctac 180  
 actacataga aggggttatca aaccactcaa gtttcaaaat ctttccaggg tccaatatca 240  
 ctttttttct ttgggttcaa tgaaaagcta aatgtaataa tactaattat agataaaatt 300  
 ttattttact ttttaaaaat ttgtccagac c 331

<210> 203

<211> 491

<212> DNA

<213> Homo sapiens

<400> 203

agtcacccag tctacttagt aactgggttg tgcctctgac cttttcagct tgataccctg 60  
 ggcttttagtg taaccaataa atctgtagtg aacttacctg tattccctgt gctatccctg 120  
 gggaaggtag gaatgggcta agtatgatga atgtataggt tagggatctt ttgggtttta 180  
 atccacagaaa accttaattca aactgggtta aaataaaaaag gatttattgg ttcatgtaac 240  
 tagaaagttc ataggttagtg ctggctccag gtgaagactt gaccagtag ttcatgtatg 300  
 ctctaaatca cggactgaat tttttctcac tgttgcactt tctgtaggac catttaagtc 360  
 tgggcacttt aatgggtggt agcattccca agattacact tttccctatt tatgtccaat 420  
 cagaaaaaga aggcattttt gtaaccagaaa tctcagcaaa agccctaata ttccactga 480  
 ttaggaactg c 491

<210> 204

<211> 361

<212> DNA

<213> Homo sapiens

<400> 204

tcctttcttc ccccatgtga taaatgggtc cagggctgat caaagaactc tgactgcaga 60  
 actgcgcgtc tcagtgagaa gggcatctgt tatcctgaga cctgtggcag acacgtcttg 120  
 ttttcatttg atttttgtaa agagtgcagt attgcagagt cttagaggaat ttttgtttc 180  
 ttgatttaca tgattttctt ggttggttaca tccagggcat ggcagtggcc tcagccttaa 240  
 attttgttc ctactccac cctcagcgaa ctgggcagca cggggagggt ttggctaccc 300  
 ctgaccttc ctgagccagg taaccaccatt gtaaggaaa accttcagaa attcagacct 360  
 c 361

<210> 205

<211> 471

<212> DNA

<213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (2)  
 <223> n=A,T,C or G  
 <221> misc\_feature  
 <222> (3)  
 <223> n=A,T,C or G

<400> 205  
 cnnctacagt ttttcttggg tggcggacac agatcctggg gaaaggcaat cctggcactg 60  
 ctctgaaaac agagctcctc ctccctcccc gggcagggtg gagctgagaa gggctgctct 120  
 agcgttggga ctccacctcc ataacctga tattttgata gggcaggctc ctgctatggg 180  
 ccactgtctt gggcagatata gtatgcttga cagcatcctt ggcctctatc caccagatcc 240  
 cagagcaccg gctactagct gtgacaacat cctccaaaac ttgcaaaatt tccccgggga 300  
 ggcgaagattg cctcagatgg gagaatcag ctctaggga atctgctggt atgagaaccc 360  
 caactcccca ctccactgag cctccagatg ggcagcagga tgcagctcca gcacagacac 420  
 gaagctcctt ccagccactg aaggctccatg gctgggggta cccaggacct c 480

<210> 206  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

<400> 206  
 taagttatct agagctcctg gataaabaagg aatccaggca cctcttagac agtcttctgt 60  
 tgtcctttct tcccaatcag agatttctgg atgtgtggaa tgacaccacc accagcaatt 120  
 gtgcctctga tgagagaaac caattcttca cctccacgaa tagcaagttg caagtgaaga 180  
 ggcgtaatac gctttacctt taagtctttt gatgcatttc ctgcccagttc aagtaacctt 240  
 ggggtgaggt actccaggat g 261

<210> 207  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<400> 207  
 gctctccggg agtttgaaga agaaaatggc taaaaagggg acattgcaga atgttctcca 60  
 ggggcctgta tggacccagg ctgttcaaac tgtactatcc acatcgtgac agtcaccatt 120  
 aacggagatg atgcggaaaa cggcaaggccg aagccaaaag caggggatgg agagtctgtg 180  
 gaagtcattt ctttacccaa gaatgacctg ctgcagagac ttgatgctct ggtagctgaa 240  
 gaactctcca cagtggagcg cagggcttat tctacgctc tagcaactgaa acatgcaaat 300  
 gcaagctat ttgaagtgcg cttctttgaaa ttttaagccc aaatatgaca ctggacctgc 360  
 c 361

<210> 208  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> (1)...(381)

<223> n=A,T,C or G

<400> 208

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agaggagatn tttgccatgc ctgaatnctt tccatncca cccatnccact taacatatta 60
ctttagtctgc tttgntaaaa gcaagtatta ccttnaactt gnotcttact ctttgccctt 120
taggttaacta ataaagnttg atntaggaat cattatataa ttctgagtca ttcatgggat 180
cttccatgtt tcatgtattt tncaaaactaa gatctatgat agtttttttt ccanagttcc 240
attaaaatcat ttatttccctt tactttctca cctctgtnga aacatttaga aactggattt 300
gggaacccan ttttggaaaa ccagattcat agtcatgaaa atggaaaactt ncatattctg 360
ttttgaaaa gatgtggacc t 381

```

<210> 209

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (93)

<223> n=A,T,C or G

<400> 209

```

gtggagagca agtgatttat taaagcaaga cgttgaaaac ttacattctt gaagtgaaga 60
tcaggggtgt attgaaaagac agnggaaaac aggatgaaag tttttacatg tcacacacta 120
cattctttca atattttcac caggacttcc gcaatgagga ttctgtttctg aagggacacc 180
tgatccgtgc atctctttcac tcttaacttg gctgcaacag ctccacactg c 231

```

<210> 210

<211> 271

<212> DNA

<213> Homo sapiens

<400> 210

```

ttcatcttgg ttttgagag atcaggttgt tgacagttcc tggctgacc accagctacc 60
atgtcagttta tctccactaa catatccaaag aatcttttga ggacaatttc tccacctgca 120
aggtttttta ggtagaactc ttcttttaag gcaattagcc cattgcaaaa aggttttact 180
gtcttaaaagc tgcctttctg agatctaatt ccaaggactt ctccacagct aagtgaagatg 240
ctccacacca ttagggtgatg ctttggacag aacagagtat ttccatcttg tgtttaaagc 300
aattccttgg ctccggctcc tccaccattt ctatgcacgt ctccactta tgcctctagt 360
aattgcctatg c 371

```

<210> 211

<211> 471

<212> DNA

<213> Homo sapiens

<400> 211

```

tttattttta aagaaaaaaa ttaaaataga gcaacaaaat gcaattaaaga aaaaaaaagt 60
attgagacac aaggggacct acatgtttctg gtctaagaag catgcaagta ttacaaagca 120
ttccagatac agtatgacag aggaacagtg aacaagcatt ggaacgatgc tttttcttct 180

```

```

agaaaaggga agtotaabag ttatgttttc acaatggtag tgattaaacc atctttatct 240
ttaagggaatt ttatagggaag aatttttagca ccacatttaa agggaaaaata ataatacctt 300
tttagccctg cctatctcca gtcttggaat aataacagaa gcatagcacc ttccagtatc 360
taaaatataa acaagaatag taagtccac ccagcttcta gagatgaggt agtccatgct 420
aagaaatggt gggtcatttt tctatgaaa gtccaaaggg caaatggcca c 471

```

<210> 212

<211> 401

<212> DNA

<213> Homo sapiens

<400> 212

```

tggcctgtct cctccacata gtccatata ccacaaatca cacaacaaaa gggagaggat 60
atattttggg ttcaaaaaaa gtaaaaagat aatgtagctg catttctttg gttattttgg 120
gccccaaata tttctcctc ttttcttgt tgcctaggat ggtggcgaca tggacttgtt 180
tatagaggac aggtccagctc tctgggtcgg tgatctacat tctgaagttg tctgaaaatg 240
tcttcagcat taaattcagc ctaaaagttt tgcgggggaa actgcagaga caatgctgtg 300
agtttcacaa ctcagcccat ctggggggag agaaggtcta gtttgcctat caccattatg 360
atancaggac tggttacttg gtttaaggagg ggtctacctc g 401

```

<210> 213

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(461)

<223> n=A,T,C or G

<400> 213

```

tgtgaagcat acataaaata atgaagtaag ccatactgat ttaatttatt ggatgttatt 60
ttccctaaga cctgaaaaatg aacatagcat gctagttatt ttccagtgtt agccttttcc 120
tttccctaca caatttcggaa tcatataata taggtacttc gtccctgatt aaataatgtg 180
aaggatagaa tgcataaggt gtttattatg aaaagagtgg aaaagtatat agcttttanc 240
aaaagggtgt tgcacattct aagaaatgag cgaatatata gaaatagtgn gggcatttct 300
tctgtttagg tggagtgtat gtgttgacat ttctcccat ctctcccat tctgttttnt 360
cccatctatt tgaataaagt gattgttgaa nangactttg aatccttctc cacttaattt 420
aatgttttaa gaaaaaccta taatggaaag tgagactcct t 461

```

<210> 214

<211> 181

<212> DNA

<213> Homo sapiens

<400> 214

```

cctgagcttc tactccttcc ccttaagatt cctccaaagg accagctcca taaaatcctt 60
cagctcccca gaccacacc aagaaccca catgttaatt ggatcagcca aatctacaag 120
cagataagtc ctaaggagaa tgcogaagg tttttcttct tctccaaggc tagcatgaga 180
c 181

```

<210> 215  
 <211> 581  
 <212> DNA  
 <213> Homo sapiens

<400> 215  
 ctgctttaaag aatgggttttc cacttttttc cctaattctc taccaatcag acacatttta 60  
 ttaatttaaat ctgcacctct ccttatttta ttggccaggg gcacgatgtg acatatctgc 120  
 agtcccgaca cagtgggaca aaaagaattt agacccaaa agtgcctcg gcattggatct 180  
 tgaacagaac cagtatctgt catggaactg aacattcctc gatggctctc atgtattcat 240  
 ttaattcactt gttcattcaa gtattttatt aatacctgac tcaagctaga gagaaaagag 300  
 agtgggcttt ggaaatttat tccagttttc agcctacagc agattatcag ctgggtgact 360  
 ttctttctctg ccacacattta ggtgatgggtg ttggattcag agatggctga attctctatt 420  
 ttagcttatt gtgactgttt cagatctagt ttgggaacag attagaggcc attgtctctt 480  
 gttctgatca ggtgggctgg ctgtttcttt ggatccctct gtcccagagc caccagaaac 540  
 ctgactctt gagaatcaag aaaaacacca gaaaggact c 581

<210> 216  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(281)  
 <223> n=A,T,C or G

<400> 216  
 ccgatgtctt gttctgtgtg accagggggt cctctgnnng tggcctcaac cagggtgag 60  
 atctctagaa gtccaggagc tctggggaag agaagcatt agggccagcc agccgggcat 120  
 cttacttgc gccccgaacc acgtccagc accagacctg cccngggggt cgtctnaaag 180  
 gttgaattct gcagatctc accacactgg cggacgtctg agcatgcctc tagaggggct 240  
 aattcagctt atantgagtc gtattacaat tcaatgggctg t 281

<210> 217  
 <211> 356  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(356)  
 <223> n=A,T,C or G

<400> 217  
 atagcaggtt tcaacaattg tcttgtagtc tgnagtaaaa agacataaga aagagaaggt 60  
 gtggtttgca gcaatcagta gttgggttct caccataccc tgcagttctg tgagccaaag 120  
 gtcttgagca aagttaaaat aaatcacaaa gactgtctgc atatattaat tgcataaaca 180  
 cctcaacatt gctcagagtt tcaatcgttt ggttaagaaa acattccttc aattcactta 240  
 tggcaatttg agtggcattg tctctatga actcttgaag aagttctttg tattcagttt 300  
 tagacatttg tggattgatt gntttggaac tcaattctc caataaggga cctcgg 356

<210> 218  
 <211> 321  
 <212> DNA  
 <213> Homo sapiens

<400> 218  
 ttgtccatcgg ggagaaaggt gttttgtcagt tgttttcataa accagattga ggaggacaaa 60  
 ctgctctggc aattttctgga tttcttttatt ttcagcaaac accttcttta aagcttgact 120  
 ggtgtgggac tcctccaagt gatgaataat catcaagggc ttgttgcttg tcttggaatt 180  
 atatagagct ttttcatatg tctgagtcac gatgagttgg tcaccccacac ctctggagag 240  
 ggtctgtgagc agtttgggtc gagagtcctt tctgtctctt ttggctccag gtttgactgt 300  
 ggtatctctg gacctgctg g 321

<210> 219  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (41)  
 <223> n=A,T,C or G

<400> 219  
 ccggcttact ccacgggggg gcagtgaggg cacaggctca nggtggccgg gctacctggc 60  
 acctataggc ttacaaagta gaggctggcc agtttctctc cacctgaggg gagcactctg 120  
 actcctaaac gtcttctctg ccttgccatc atctgggggtg gctggctgtc aagaaaggcc 180  
 gggcatgctt tctaaacaca gccacaggag gcttgtaggg catcttcacg gtgggggaaa 240  
 agtcttctat aagtaagggt acttgctctaa g 271

<210> 220  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(351)  
 <223> n=A,T,C or G

<400> 220  
 gtctatgag gaggacagc tttctctctt caactctctc caaaacactc ggtgctctg 60  
 ctctgcctgaa ttctctgact gggctcagga acagggagac gctcctgcca tcttatttga 120  
 caaagagctc tctgagtgga tgatccagca aatagggcca aaacttgatg ggaaaatccc 180  
 ggtgtccaga gggtttcta tctctgaagt gttcacgctg aagcctctgg agtttggcaa 240  
 gaccaaacct ttgggtctgt ttgtcagtaa tctcttccca cccatgctga cagtgaactg 300  
 gtagsatcat tctgtcctg tggaaaggatt tgggctact tttgtctcag a 351

<210> 221  
 <211> 371

<210> DNA

<211> Homo sapiens

<400> 221

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gtctgcagaa ggtgtgtctga ggtgtccggg ggaggtggca ggcgagctct gggactaatc 50
acgtgttggg ggaaggcacc ggttcaggat gcaggcagat cccgtgcagaa gtgtctaaaa 120
ttcaacgtcc tctttctggag ggaagtogat ggtattagga tagaagcacc aggggacccc 180
aggaacgggtg tggtcgaaaac agcagccctt atttgcacac tgggagggcg tgacaccagg 240
aaaaacaaaa ttctgtcttt caaggggggg cactgtacac gtctctgtct gggcctcggc 300
cagggtgctg agggccagca tggacaccag gaccagggcg cagatcactt tgttctccat 360
ggtggacccc g                                     371

```

<210> 222

<211> 471

<212> DNA

<213> Homo sapiens

<400> 222

```

gtccatgttc catcattaat gttccaaat caccagggac acaaaagctgc aaaaatgaga 50
agggaaatga ggtagagaa aggatccggg caatcttaag gactgaggaa gacatgttcc 120
ccaaaccttg aartcacaaa cccgtgaagt caaggattgc atcttctctc caaatctcac 180
tcaacataat aagtgcagaa caacatgcca aagcactgta tgaagcacta gggacaaaaga 240
caaggtctaa atctttgtta ccaaatctta tggattgtta atgcagctgt aacacaggac 300
agtaacagaa caccacaaga ccaaacagaa gagggtaggg ataagcataa atgaagtaac 360
atgaatatga ctcccaaatg gaaaaattgt ccataccccc agggcaagtc aactacagtc 420
tcccacaaaga cataaattcc acttagggca cactagacag aaaaataatat t                                     471

```

<210> 223

<211> 411

<212> DNA

<213> Homo sapiens

<400> 223

```

agttgcttca caatgacaca caaatccctg taaataaatt ataaacaagg gtcaattcaa 50
atttgacata atgttttagt aaggagagat tagaagacaa cagggatagc aaatgacata 120
agctacacat taactaatcg gaacatgtta aacagttaca aaaataaacg aactctcttc 180
ttgtccraca atgaaagccc tcatgtgcag tagagatgca gtttcattca agaacaaaca 240
tccrtgcaaa tgggtgtgac ggggttccag atgtggattt ggcaaaaact catttaagta 300
aaaagtttagc agagcaaaagc ggggtgtttt agctgtgtgt tgtgcggctg tggcgtcggg 360
gaggtctctg cctgagcttc ctcccccagc ttgtgtgctt gagaggaacc a                                     411

```

<210> 224

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (31)

<223> n=A,T,C or G

```

<400> 224
gggtctggaagt ttgataacaa agaaatatat ntaagacaaa aatagacaag agttaacaat 60
aaaacacaaa ctatctggtg acataacata tggaaaatctt ttgtcagaaa gctacatctt 120
cttaatttga ttgtccaaat cattaataata tggatgattc agtgcacatt ttgcagaaat 180
tcgtttgggt ggatcataga ttaacatctt cgagagcaaa tccaagccat tttcatcaca 240
gtctttgaca tgggatgcta ggttctctgg tttccatttg ggaaatgtat tcttatagtc 300
ctgtaaagat tccactcttg g 321

```

```

<210> 225
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (34)
<223> n=A,T,C or G

```

```

<400> 225
atgtctgggg aaagagttca ttggcaaaaag tgtntcccca agaatggttt acaccaagca 60
gagaggacat gtcactgaat ggggaaaagg aacccccgta tccacagcca ctgtaaggcat 120
ccagtaggca ggaagatggc ttctgggcagt ggtctggatga aagcagattt gagataccca 180
gtctcgggac gaggtcatct tctacaggtt cttccctccac tgagacaatg aattccaggtt 240
gacacatttc t 251

```

```

<210> 226
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> unsure
<222> (1)...(331)
<223> n=A,T,C or G

```

```

<400> 226
gtt cggctccc agggccccccg ccaagnnggtt aacnnnnntna ccactccctga cccaaaaatc 60
aaggtctgga ttaaaaaggtt gcaaatctct ttaactgtat cccccccacc accaggacca 120
cttaagggtg agtctttact cccaaacccg tttcccgaaa aaggttgctac ctcttttcca 180
gacagatgag agagggccagg aattccaggtt ggatccacca ctggggtctc cctccccag 240
cttggaagac gggaggggag gtgacggctg gtgactgatg gatgggtagt gggctgagaa 300
gaggggacta ggaagggcta ttcagggctc a 321

```

```

<210> 227
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<400> 227
aggtctgccc ttgaagtata ggaaggaatc atagttggag gaattctgca ttattttgtg 60
gttgaagcta gaagtgcac cccctctga tttctgcagc aagatgaact gccttatccc 120

```

```

cagcccgag gaatgttcat atctgagcaa tcaatgggca ctgtgttcaa ccacggcatt 180
ttcagattg gtcctttaa ccacccacaa ggcaccagct ctgggagaag ctgcagggag 240
aagagaacaa agccttcgt gtgatcagga tgggtgtctc ataccttttc ttgggggtca 300
ttcaggtat gagacagagt tgaacctgct catgagctg gaggcgcaca tcaacggcct 360
ggcaggggtg ctggatgagc tgacctgga c 391

```

<210> 339

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (35)

<223> n=A,T,C or G

<400> 228

```

gtgttcata gccactcct gggatagaag ctttntagtt catagtctga ttagtgtgtc 60
cttaggacat aggtccagcc ctacagatta gctgggtgaa gaaggcaagt gtctcgacag 120
ggcttagtct ccacctcag gcctggaacc attcaggggtg aagctcggga tctgggcaca 180
ggagactcag gctgatataa aaataacaaa atcagtaata aaaaaattat aaaaactgtt 240
gttgtctga atagatttga gcaacagctt tctttctgtt aaaaactgtt agcgttaag 300
tcctgautat tctctcggac atcattgtgt gctggagaaa ggagcccag gcccggtctg 360
gtgacatct gtcaggtttg gaagtctcat c 391

```

<210> 339

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (202)

<223> n=A,T,C or G

<400> 229

```

gttcattggt tctcaccag acagtcttct tgggcaactt ggggaagccc ctgtctctgt 60
caagtctcac cccatggaag aggtggggga agggggcctt ggtttttcag gaagacgggt 120
tggagagcac gattcactac aaagcagtaa aagtgaatgg tctctccagg ggcctgggtc 180
agaacatcgt ggagagccc anccataaag gtgtgttcct cctctggcct gcaggaatct 240
cttgaactct ctttgatttg tggctcaca agcaatggga agtcaacagc caggaggctg 300
gaatgggttc cctgggaccc cgaggtctca gaggctgctg g 341

```

<210> 230

<211> 311

<212> DNA

<213> Homo sapiens

<400> 230

```

gtccaagcca aggaaacat tcccttacag gagacctccc tgtacacaca ggacggcttg 60
gggtctaaag aaatggacaa tgcaggacag ctagtgtttc tggctacaga aggggaacct 120

```



```

cttcagttgt ctgaagaatg gttttatgac cacatcatac cattccttgg atgaaacccg 180
tatagttcac aatagagctc agggagcccc taactcttcc aaacacacatg ggagacagtt 240
tccttcctgc ccaagcctga gctcagatcc agcttgcaac taatccttct atcatctaac 300
atgccttact tggaaagatc taagatctga atcttatctt ttgcctctct ctgttaccat 360
atgggtgttg atgcaagttt aattaccatg gagattgttt taaaaacttt tcatgttggtc 420
aagttcagtt ttagaaaaag gagtctgttc cagatcagtg ccagaactgt gcccaggccc 480
aaaggagaca actaactaaa gtagtgagat a 511

```

<210> 231

<211> 311

<212> DNA

<213> Homo sapiens

<400> 231

```

ggctccagta agctgtgggc aggcgaagccc ttgggtccac tgttgggtac acagaccccc 60
cccttcgtgt cagctcaggg agctcgaggg ccccgaccaa cacttgacgg ggtccctgct 120
agtcagcgcc ccacggccgt ggagttcgta ccgttctctt agaacctcta cagaagccaa 180
gctccctgga gccctgttgg cagctctaga ttgcagtcg tctaatttgg ccaggtcatt 240
gtcttctctg cctcacttcc caccgaagtg cttagagtcac gtgagcctcg tgcctctctc 300
ggggtggacc t 311

```

<210> 232

<211> 351

<212> DNA

<213> Homo sapiens

<400> 232

```

tcgtctagct aataatccct tccttgatga cacactccaa cttcttgggt ttcttttatt 60
ccaaaaagcg gttctgtaac tctcaatcca gagatgttaa aaatgtttct aggcacggta 120
ttagtaaatc aagtaaatct catgtctctt taaaggacaa acttccagag atttgaatat 180
aaatctttat atgtgttatt gattgtcttg taacaaatgg ccccccacaa ttagtagctt 240
aaaaatagct tcatgatgtc actgtttctt ttgcctcttc attaatgttc tgcacagacc 300
tatgtaaaac acttttctat atgcataatg gatagctttt ttgaggggat a 351

```

<210> 233

<211> 511

<212> DNA

<213> Homo sapiens

<400> 233

```

aagttctggat gtaaggatgg atgctctctc cacatgctgg gttgggggatg ctgggactgc 60
aaagccaccc ccagtatgcc gctccaggac ttctgggacta gggcgccaaa gtgtgcaaat 120
gaaatcccg gatccctagg gaactctgaa tctcagattg tgaagaagaa acaaatcttg 180
agactcraaa atcacraagg taaggaaaa agtcaagctg ggaactgctt agggcaaaag 240
tgcctctcat tctattccaa gtcctccccc tggaggtccac ctgcatagct gattgcttcc 300
ttccctctat cgtttctgta aaaatcgaga ctccctgagc cagactaaat tgtgtgttca 360
gttgaaggct gatcaagaac tcaaaagaat gcaactcttt gtctcttctc tactacaaac 420
aggaagcccc cacttaaggg ttgtccccc ttactggact gaaccaaggt acatcttaca 480
ctactcatt gatgtctcat gtcccccata g 511

```

<210> 234

<211> 121  
 <212> DNA  
 <213> Homo sapiens

<400> 134  
 caggtccagc gaaggggctt catagggtac accaagcatg tccacataac ccagggaagct 60  
 cctccctca gcataggctc cgatgacctt ggtgttccac aaagggttca tcttcgaggg 120  
 caggtctac atggccctgg ccagccatga atgaatagct ctaggactat agctgtgtcc 180  
 attccacaga agtccctcat caatcaccat ctggccgaga c 241

<210> 135  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (33)  
 <223> n=A,T,C or G

<400> 135  
 ggtccaaagaa agggacatct atgtgaaagt ganactgaga cagtgtgtgt caccaggtcat 60  
 gctgcagaat aatcacctcc caggaactgt cagtgtgggg acccaagagg cccaggaggt 120  
 gacccataac ctctccagaa agaccactct gtgtggcacc acagtcacaa cagtcttaagg 180  
 aaatatttag acttaacaaat cagacacccg ctcttactca cacttacact caccgcccac 240  
 aacaaatgt gcaaacatac acacacatat atatttcctg atacattcat ggaatatccg 300  
 aacctgtccc tgaagtctgt agtgtctctg ctccccaacc cgtgtctccc acattggcta 360  
 agtccctca agagacctca g 381

<210> 136  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 136  
 agtctctgtt gcccctttct tctgcccacc cctgcccatt ggggaattgga atatttcacc 60  
 aaactctgta ctgcattgaa cattgggaag aaataacttg gctttgatct catagggtca 120  
 cagatgtagg aagtaacctt gaagtcaga ccagatttcg gacttttgag ctgatgttga 180  
 aacagcttga gatttttggg gactactgag agatgataat tgtatttgtt aatatgagaa 240  
 gacatcaga tttggctggg ataggtgtga aatgacattg tttggatgtg cttaacctcc 300  
 aaactcttg ttgaatgtga tcttaaacgt tggctggtgg cctagtggaa ggtgttgaat 360  
 cctgggcatg gactcttcat aatttgctta gctccatccc ctctggtgatg agcaagtctt 420  
 tctctcttg tctccatga g 441

<210> 137  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> (1)...(281)

<223> n=A,T,C or G

<400> 237

```

tcttataaaaa ttagtgtgacc ttgttaaaaaa tgttggggtg agcagtatat tattacctat 60
cttttttttat tgtgtgtgtg ngtgtgtgtn ttaaaactaat tgggtgaaat atctgctgt 120
ctttttttttt asattttttt tgtttttttt ttatttttat tttgttcata ttgagatcta 140
ctgttaagtgt aattttttta tgaaaaacann nccaagctnt accttcactg ggnttgggac 240
attagatgta attgagaggg caacagggtaa gtcttcactg c 281

```

<210> 238

<211> 141

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(141)

<223> n=A,T,C or G

<400> 238

```

gtcttctctct tcttactggt tctctctatn aaaaagcttc ctgggggcag gttccttgag 60
ctgtggggatt ctgactggt gcttnggatt ccttgatatg ttctttcaaa tctactgaga 120
attcaataaaa catcgtataa g 141

```

<210> 239

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(501)

<223> n=A,T,C or G

<400> 239

```

aacaattctaa acaaatccct cgggtctann atacaatgga ttccccatat tgggaaggact 60
ctgagctttt attccccac tatgctatc ttatcatttt attattatat acacatccat 120
cttataatct actaaagccc ttttcccatg catggatgga aatggaagat ttttttttaa 180
cttggtccag aagtcttaat atgggctgtt gcatgaagg ctgcagaat tgagtccatt 240
ctcagctgcg ctttattcac atagtcatgg ggtactaaaa gtactgggtt gattccagaga 300
gtcctgttca tttgttcatt gctgctactc taacctgag caacactctc ccagtggcag 360
atcctcgtta ctactccaa aggagctatc atcccttttg tctaatgata aggaatgatg 420
cttatttgaa aacaaaatgc ttgacccagg aacaagtggc ttagcttaag naaacttggc 480
cttctctana tctctgactt t 501

```

<210> 240

<211> 451

<212> DNA

<213> Homo sapiens

```

<400> 240
tgttcctgaaa ggccattact aatagaaaca cagcctttcc aatcctctgg aacatattct 60
gtccggggttt ttaatgtctg tggaaaaaaa cttaacaagt ctctgtctca gtttaagagaa 120
atctatttgtt ctgaagggtt ctgaacctct ttctgggtct cagcagaagt aactgaagta 180
gatcaggaag ggggtggtct aggaaaatct ctagatctca ggaattcagt gagacccctg 240
gaaggacccg catggttaatc agtctcagtg aatccacagt ctttaactcc tgcctcataa 300
agggccctgtt cttcccagta ccaagtcctt tcttcctgaa gttgtgttgc ctccaggctgt 360
ctagggaaca ttgctctgtt tggtcacatg agtctgtctc cttactttag tccctgggca 420
atccttgctt aatgcttttg ttgaactaac g 451

```

```

<210> 241
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 11... (411)
<223> n=A,T,C or G

```

```

<400> 241
aatctccagt gtgatgggtat gggggttaga gtttcaatct ccagtgtgat ggtactgcag 60
cnaagagcttc aatctccagt gngatgggtat taggggttaga ttttcaatct ccagtgtgat 120
ggatccaggg tttagagcttc agcctccagt gtgatgggtat cagggttaga gttccagctt 180
ccagtgtgat ggtatcgggg tttagatcttc aatccccagt ggtgggtgggt agagcttcaa 240
tttccagctt gatgggtattg ggggttagagc tttcaatctc agtctgatgg tgtttcggga 300
tgyggctctt aagatgtaat taggggttaa gatcataagg gacctgggtt gatggggatt 360
agtnctcttc tatgaagaga cccangaggg cttgtcttat ctctgactct c 411

```

```

<210> 242
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<400> 242
tttcccttca caacagtaga gacccacaca gtgaactctg gggactcttg agatccagct 60
cctaccaga cccagctca actcaagctt cagcagcagc acttcccaag cctgtctgac 120
acgtctccat caccatcag caccagggaag gcccctggta tggacactga aaggaagggc 180
tgytccctgc cctttgaggg ggtgcaaaat tgaatgggac cttaagagcca gaggtctgtt 240
agaggtctct gttccacctg ccagtcctgt aagaaatggg gttgtctgag tgttggagta 300
ggggcagagg gagggagcca aggtcactcc aataaaacaa gttcatggca c 351

```

```

<210> 243
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 243
gtctgtgctt tatcaggaaa agcacaagaa tatgtttttt taactaaaaa cctctctac 60
cttaaaaaatg gtttgcctga cttttctatg tttttaaaat gtttttatgc ttttttttaa 120
acaggtaaaag gatggaaact aatctctcc cgagatgcct cttttgtgtt aatgcctatt 180

```

cttacaacag agaaacaagt acattaatat aaaaaagagt tgattattgg ggtataaaat 240  
a 241

<210> 244  
<211> 301  
<212> DNA  
<213> Homo sapiens

<400> 244  
ggtccagagc aatagcgtct gtgggtgaagc gcctgcactc ctggggagac atgcctggct 40  
tctatgtctc atccacataa ccatacataa aggtgctgac ggagccacca atggcaaaaag 100  
gctgtcagct cagcattcct ccacagggctc catatacctg acctccttca cgttgggtccc 160  
agccagctac catgagatgt gcagacaagt cctctcgata tttatagctg atatttctca 240  
ccacatttgc agcagccaaa acaagtgagc gttcctccag ttctatccca tggagctcca 300  
g 301

<210> 245  
<211> 301  
<212> DNA  
<213> Homo sapiens

<400> 245  
cagacactgc tgatgtgggc cggggggggc cgaggcacaa ctgggtggccg gaccattgag 40  
gcacctggag ggtaggcagc ttgtggtgca gacaccacag agagagaaaa gtcggatgga 120  
gtgggtggaa taatcagggc ggccacactgt gcctagaagc ttccagggcc accaagagaa 160  
tgggaagaga aactacaaca ttccacaacg aaataggagt caattcactt agaccagaaa 240  
ctccagaaaag ggggagtgta ggaatctaca atttcaaagc cagctcgtgt ctacctagag 300  
ccccaaactg cataagcacc aggattgtac acctagttcc ctcaagatag tttcaagtga 360  
gggtgcaatt cactcttaca gaggagggcc t 391

<210> 246  
<211> 291  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 11... (291)  
<223> n=A,T,C or G

<400> 246  
tctnccatag gggaagcagg aagtingaac agcttcaggc tggaaagtcg ccagggcaca 40  
gggtggttaa gggtcaaaagc cttctgcaga atattcaca ggttgacaca gacctccaca 120  
ttccagacta ttccaaagctt cgggggtctt caggggcaca gaatttcctg gtcttgggca 160  
tgggtncata gtcatttgtc cttctcactt ttggaaggtt ccatttggac ataaaatgca 240  
aaggtttctg tctnccatna taataggctc cagcctgcac tgacacattt g 291

<210> 247  
<211> 471  
<212> DNA  
<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(471)
<223> n=A,T,C or G

```

```

<400> 247
caactgagtgga atgagttatat aattttatgaa aacagaaaaag tgcttttgga aaaaaaaaaag 60
acaaataggag tacatcacagn gaacaaaaaa gattgtacca ggaggagcan acctgaaca 120
gttanaacta tggaaatggc tatgttttgt gttgtcacag gagttaaact aggaataccc 180
tggatacaat aaatatattat tggataaata actaagcctg atacctttt caatgggtta 240
tacaacatnt atcatcacac cactaatcta agttctcana agttaaacat tacaagactt 300
cagaacacaa taggggtntt tgggttcatt taacanaana aggaacatag tgatcattta 360
atctctatga gtctgtctta tctttctggaa aaggggctta acacatttt cttttgcaaa 420
aaggtagctg ctttgcttcc agttctacca tctntagca acctatttt n 471

```

```

<210> 243
<211> 551
<212> DNA
<213> Homo sapiens

```

```

<400> 248
ccatgggatac aggaatggggc tcaggctcagt tgacctgagc atacctatta aacatgttca 60
aatgtcccca tcccaccac tcacatgaca tggctccaga gccctgagat ctgtatcca 120
tgaacctcag ttgagaaata tttatgggag ctccactgtt gtcacagagc ctgggtattg 180
tctcagcttg ggggacaggt gtccctaatt ttctcgaagt tcttcacatc agccagaatc 240
ccatctctgc ttgtctccag caaatggagg tggccctctt gctgaagtgc cctctcttcc 300
agctccpaca ccattgggpcg cagttgggtg ttgatctggg tcttgggtcg ggaaagcttc 360
tcttcacgta agaccagccc ctcttcacat acactgagag gctgggtccat cagatgcagg 420
agtggtcta atgtgttgag ttgtgtcttg attgtaaccc cagcgttctt ggtcttggtt 480
tcaactctct gggcttctgt aatcaccatc tgtactgcat ccataattgt gtccaactcc 540
agttctctcc t 551

```

```

<210> 249
<211> 181
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(181)
<223> n=A,T,C or G

```

```

<400> 149
aattccagag ggaacgtaag actgggtacaa gtttacacca taagagggga cgtgggtcagg 60
cacaatgtct tcacctccac aggggctcat caggnggtc agggcaaggg cccccagcat 120
cagagctttg tttaggatac tctcttctcc aaggcagctt tagcagttgc tgacctgccc 180
g 181

```

```

<210> 250
<211> 551

```

<212> DNA  
 <213> Homo sapiens

<400> 250  
 tctgttagcta ggatgagctg gctctcaagc aaaagtttgt cttcctgggt ccatttgtgg 60  
 tttacacttg ttattgaatg tacatcacia attaaagtct gcattgttgg acgtaagaga 120  
 atgtgcccac tttggtaacc aggagatttc atgttactgg actgcctgta gtcacgtatt 180  
 tctgctatga cacatccgca atgaaaaata ttaacctgag atttttctag gagatcaacc 240  
 aaaataggag gtaattcttc tgcacccaaa tattcaagca actctcttc ttcatagggc 300  
 agtcgaatgg tctcggaatc tgatccggtt tttccctga gcacagaga atatccctca 360  
 tttcctgggt atagattgac caataaacat gacaaagtct cttgcataac aagcttctct 420  
 aacaagttca cttttctct taattttctta acttcagggt ctttttcaca ttcttcaata 480  
 tacaagtcac aaagtttttg aaatacagat tttcttcac ttgataggta tttcctttta 540  
 ggaggtctct g 551

<210> 251  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 251  
 tgtctgtctt cccatcctgg ttactatgag tctctcttgg cagaaaggac cacagatgga 60  
 gagcttggca ctgctccaa ctttgcgaa aagaggacaa ccactaaagt agtaggtaaa 120  
 aacacaaatt tagcagcagt gaaataaaaa gaggaagtga ggatggggcc aggcgcgaac 180  
 tataattaaa ctgtctgttt aggagaagct gaatccagaa gaaacacaag ctgtaagtgt 240  
 agagaggaca gggagcaggg cctttggaga gcaggagagg acaggctgtc accaagcgtc 300  
 gctgggaetc tgccctgaaa gatttgaatt ggacactgtc cagtcacgtg tgtggcaaac 360  
 cgtactccaa gcacttttct cagggcagag gaaggagctg ccattggctgt acccttgaa 420  
 gtttgtgggg ccagcgatgt g 441

<210> 252  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 252  
 ttttttttgg aacaagtaaa aattttcttta tttgttgaca ataagataac ctacagggaa 60  
 aactctgatga aatctattaa aaagttacta aaactaataa aagaatttag gaaggttata 120  
 gaatgtcaga ccaagacaca aaaatcaatt acatttctat ataatagtaa tgaacagata 180  
 ctgaaatttt aaaaactaaa tcattttaca aaagtatcac aatatgaaac actccgggat 240  
 aaattggata aaagatgtgc aagactgtac aaaagttaca aaacatttat gaaggaaatt 300  
 ggaagataga aacaagatag aaaatgaaaa tattgtcaag agtttcagat agaaaatgaa 360  
 aaacaagtca agacaagtat tggagaagta tagaagatag aaaaat 406

<210> 253  
 <211> 544  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<202> (224)

<223> n=A,T,C or G

<400> 253

```

gagggaggttc agtagcaaaag tcaacacotgt ccaattccct gagcttttgt cactcagcta 60
atgggaa'ggc aaaggtgggtg gtgcttttat ttccaggcag aagcctctgc ccacccccct 120
cna'gggttgc agggccagtt ctcatgtctg ccttgggttg gcactctgta acagaggaga 180
aggtcttgggt gggggcagca gctttgtctt gattgctac aaactaatg cttgggtgcta 240
gaaacatcat cactattaaa ttccagaaaa gcagcagcca tgttcagtca ggctcatgct 300
gcttcactgc ttaagtgcct gcaggagcgc cctggcgaagc tccccctctt acacctggca 360
cacttgggtgc tgcacaagga ttgttcaacc aaagacagct tccccctttt gattgctgt 420
agactcttggg gccaagaaac actctgtgtg actctacaca cacttcaggt ggttttgtgt 480
tcaaaagtcac tgatgcaact tgaaaggaaa cagttttaatg gtggaaatga actaccattt 540
ataaa 544

```

<210> 254

<211> 439

<212> DNA

<213> Homo sapiens

<400> 254

```

tggcattcag ggcagctgtct ttgcaatctc ctagggaacct ggggaggggc agctccggcg 60
cttgggtagcg agaggcgggt tccggagatc cgggcctcac ttgtccacac tgtgggttagg 120
ggtgagtcct gcaaatgtta agtgatttgc tcaaggtgac cacttcggcg gaattggagc 180
cttgggtcagt tctctgagcc tatcattagg gctaaaggag tctgtgatca gaatgggtgc 240
tggaggggtc taattgtctt gactgtctgt ggggtccctg ggctctatgt gcactctctt 300
cacttatctac tggatgcagt actggcggtg tggctttgc 319

```

<210> 255

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1... (405)

<223> n=A,T,C or G

<400> 255

```

gaggtttttt ntcttttttt tttttttttt caattaaana ttgtatttat tcaagtatgt 60
gaaacatttn tacaatggaa acttttntta aatgtctgat gtnctgtgct atggaccaac 120
cactatayaq catggtgttt caaaaaactt gaaatgcacat tgatagttaa aaaactntac 180
ncttga'ggg aaatcgagga aaacaattta atgtttcatn tgaatcaana ggngcatcaa 240
art'aa'agac agcttcactt ggaaataaat agctgttaac tgatgggtac caaaaaaaaa 300
tgggttgggga tggataaatt caaaaatgtt tccccaaagg ngyngnggtt ttaaaaagtt 360
tcaagncaca acctttgcan aaaaacatga tgcaccaaac antga 405

```

<210> 256

<211> 209

<212> DNA

<213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (6)  
 <223> n=A,T,C or G

<400> 256  
 gggganytct ggtctctctc ccacatgtca cactctctctc agctctctcc ccaaccttgc 60  
 tctctctctc cctctgctct agccagggga cagagtctag gaggagcttg gggcagagct 120  
 ggagycagga agagagcact ggacagacag ctatgggttg gattggggaa gaggttagga 180  
 agtaggtctt caaagacctt ttttagta 209

<210> 257  
 <211> 343  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(343)  
 <223> n=A,T,C or G

<400> 257  
 tctggagacc ataactcctt ttaagtggtt ggttggtcac acctctccca ttgacaagct 60  
 gggcttaagtc aataggttga ctaggatcaa cagacccaa atcaataaga tacttgagtc 120  
 tattgagact caaaggttta tactgggttc tgaaactatg tctcttggtt aacctgtatt 180  
 ttggtatttc gatgtaaaat ggagtctggc cctctccaaa gctcaagggg ggcggggttc 240  
 ctctctgctt tctctcttta tggctctctc cacattttct acctctctct cagctctctt 300  
 gctctctctt nggtttcttg gagtcgggat tgggtcttaa gtn 343

<210> 258  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

<400> 258  
 ggggtctctg acctctagaa gactaaggct ggtctgtggt ttgtttgttg cccacctttg 60  
 gctgataccc agagaacctg ggcacttgct gcttgatgct caccctctgc agtcattcct 120  
 ccatctcccc agcggggaggt gggatgtgag acagcccaaa ttggaaaatc cagaaaaatg 180  
 ggaacagggg tttgctcttc acaattctac tcccagatc ctctcccttg gacacaggag 240  
 accacagggg caggacccctt agatctgggg aaaggaggtc ctgagaacct tgaggtaccc 300  
 ctacatctct tctacccaa tttctatgg aggattccaa gtcaccactt ctctcaccgg 360  
 ctctcaacag ggtcaggaat taaggcgttt tctccataga ctcaacattt tgggaattct 420  
 cctctctctc ccttgctctc tctgggttgc ctggaagatg gactggcaga gacctcttg 480  
 ttggtttctg tgttttgatg ccaggaatgc cgtctagtt 519

<210> 259  
 <211> 71  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 259

```

attgtcact atataacag tagtgaggaa taaaatgcac acaaaacaat ggatagaata 60
tgaaaatgtc ttctaaatat gaccagtcta gcataagaacc ttctctcttt cttcttcagg 120
ctctccagct ccctgctcct taaccacatt aacaaaagtg gaggtatcgc ctccagaggg 140
cgtcttcaaa actccatttc caaaagtcac ctccagaaga catgtatttt ctatgatttc 240
ttttaaacaa atgagaattt acaagatgtg taactttcta actctatttt atcatagtc 300
ggcactctct tcccatctag aagggtctga tgtgacaaat gttctctatt aaaaggttgg 360
ggtggagtgg a 371

```

&lt;210&gt; 260

&lt;211&gt; 430

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(430)

&lt;223&gt; n=A,T,C or G

&lt;400&gt; 260

```

tgggatttct tgacttgoga ttcagttttt ttactttttt tttttttttt ttttganaaa 60
tactatcttt attgtcaaaag agtgggtacat aggtgagtgt tcactttccc tctcatggcg 120
gtataccttg cttcgtgtgt tcagtaaaag ttttcggtag ttctgaacgt cccttgacca 180
caccataana caagcgcaag tcactcaaaa ttgcacttgg aaaacttggc caactatcat 240
ttgaggaag actganaaag cttatcccaa agtaatggac atgcaccaa atcgcggtac 300
ctacatgttc cggttttttt gccaattctc ctgtgttttc aagataaatt accaccagg 360
gagtcaattc ctgtatgttg aacaaaaaac cggttttttt ctggaggtgc ttgactactc 420
cttcgncgagc 430

```

&lt;210&gt; 261

&lt;211&gt; 435

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (173)

&lt;223&gt; n=A,T,C or G

&lt;400&gt; 261

```

ctcagaat atgcctgggt gtaccactta actatgattc tattccaaat gttcagaatc 60
atatcnaaaa atgaattgta cacagtatgt taaaacgact cccaagagag gaaaaaaaa 120
aaaaaaatcg cttcaaaaat tattcaactt ttgagacagc aatgggaata ggcagcanag 180
aagctatctt gaaactgagg gcaatataca ttgaagatgt cacaggagtt taagagacag 240
gttggaaaaa atctcatact aagcaaacag tagtatctca taccagcaa aaccaagtag 300
tctctgttca gcttgccgtt aacagatctc ataataacca actgtgcttt aggactgtca 360
caaaa 365

```

&lt;210&gt; 262

&lt;211&gt; 500

&lt;212&gt; DNA

<213> Homo sapiens

<400> 262

```

cttagatgtc atttggggacc cttcacaacc attttgaagg cctgtttgag tccctgggat 60
atgtgaactg tttctatgca taatggatat tgggggttaa caacagtccc ctgcttggct 120
cttatttga atctttctct ttcaccatgg ggtgcctgaa ggggtggctga tgcataatgt 180
aaatgggacc ccagtgtaaa gcaggtacaa ttaggagtgg atgtgtcttg tagcatccta 240
ctcaaaataag cctattttat cctttggccc gtcaactctg tctctgtctg cttgtactgg 300
tgcctgtact tttctgactc tcattgaaca tattccacga ccacggcttg catccattac 360
ctgactctac tttacatgtc tagtctgtgt ggttggctgg gaataggctt cttcttacct 420
ggtgtgtgca gccaggttaa ttaatgggtg acgtggactt ttaggcaagg ggtccactgg 480
aagagatgga acctgggcctg

```

<210> 263

<211> 413

<212> DNA

<213> Homo sapiens

<400> 263

```

ctcagagagg ttgaaagatt tgcctacgaa agggacagtg atgaagctaa gctctagatc 60
caggatctct gacttcaaat tgaaactccc aaagtaatga gtttgggaagg gtgggggtgt 120
gctcttcag gatgggggtc tttctgtctc ccagcggata gtgaaacccc tgtctgcacc 180
tgytgggggg tgttgccttc ccaaggttt tttttttagg ccgtctgttg ctttctggat 240
taggcattat tatctttact ttgtctccaa ataacctgga gaatggagag agtagtgacc 300
agctcagggc cacagtggga tgaggacacat cttctcactt ctttcaatgc aggaagaaac 360
gtagagttac gtgggaagtgg tccacaacct ccgtccagcac atttgtgaatg aca

```

<210> 264

<211> 524

<212> DNA

<213> Homo sapiens

<400> 264

```

tccaatgggg ccttgagagt tgtgacagga actcacactc tggcacttgg agcaaaaacac 60
cattccaccc cactcatctg ctgtgcacct atgttcaaac tttctccaca gttccccaat 120
gaagaagctt catttcataa gtttctggct cctgaagaag tcttgcatt ccacagaagg 180
gacattctgg agaaggtcag cgtgcatttg cctgtgtttg actacgttcc ccagagctc 240
attacccctt tctctccaaa catttgctgg aatgcacctt cctacatcta ccgcttgatg 300
agtgaactct accatcttga tgatcatgtt tcttgacaga ccacacgtgt ccttaagcaga 360
tgcctcaygc agatacagaa tgaagaggag acttgagtgt tgtgtgtgaa gcacatcctt 420
gtaatgttgg agtgcacagg agtccaccta aaaaaaaaaa tctttgatac tgttgcctgc 480
cttctccttc accttgtaac aagggcacac atccaggact gtgt

```

<210> 265

<211> 744

<212> DNA

<213> Homo sapiens

<400> 265

```

tctttctctt tacttcagga gatgattcaa agttacttgt ggacatttct ttaagttctg 60
aagacaaatg agacaggatt tggcttgagg gttcttcaga cttctctacc acctccatta 120

```

```
actcttcata ttgggttgac gtaggpaatg caatattttg ctcttttggt tctggagatg 130
accagacacc actcttttct cttggggggg ttctaagtgt gtctttgaat accagtgaag 240
actcaggcct atctgtact ggaaagggac taaatttgtc tttctgtcta ggaggtgatg 300
cagtagcacc ctcttgaggg ggtaaggcca tttctcttct ttga 344
```

<210> 256

<211> 210

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 179)

<223> n=A,T,C or G

<400> 156

```
cccaaatgtc cataaattga gcaggctttg gcacccacc acccccttca gaccaatata 60
cactatgttg gaggaacnac tttaaaatgt aaaatgagaa atgggcactg aacactccat 120
ctcacttcc aacagccac ccacacacct ctccaactgc tatccaaaca tggaggagct 180
ctgtgggaag agaggctcaa caccaaataa 210
```

<210> 247

<211> 248

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 41)...(239)

<400> 247

```
ttggncttcc cactctctna ctgaaattct atgaaattct cccctttggg atgaggatgg 60
caacccctgg cagtacccct cccaaacttg gaccagactt aataccctaa catcttgtg 120
acagtggttg tctctgttgg gcagggttcc caaagacat cgagccagat tcaggcagag 180
tggaacttgc ccttcagcca tcagtggagg tggcctggga ggctctatcc tgaacggg 248
```

<210> 268

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 459)

<223> n=A,T,C or G

<400> 268

```
tctccaagga catgcccctt gatagaaaat cagtctctgt ctccagttcc ctctggacc 60
tgatccccc aatgcagggc ctgggactat atccagttcc ttttttcag aggcacatgc 120
acaagatgca cagcaataaa gtgctgaata aagaaccagc tactgctagc ttacctgct 180
ccaaacattc accaagtctt cagcaaaagag ggccatccat tcaactcttc taaaaacaca 240
```

```

ctgagctccc cagtctatac cccaagatat gcttggtccc caactatccc tctctctca 300
cttccaaagcc agtttccccc ttctaagtat actgatatta ccaagacac tgacaatttt 300
cttttccctac ctctcccccag tgactagggtt tgcagcagga gctctataag tcttagtata 420
cagcagaagc tcacataaatg tgtgctgacc taacattang c 401

```

```

<210> 263
<211> 434
<212> DNA
<213> Homo sapiens

```

```

<400> 263
ctgtgttggt gagcaccgat tcccactcaa tatggggtgg cttacagttc tcattagggt 50
ctcgctccca accagaatga ggaatgatca ctccatctgt caagggcatgc agtgcattgt 100
caccactctc cattttgatt gagtcattgg atgaaagatt ccacaggggt cgggtaataa 150
cttcagaaag gtcctatcca cagagctttc gaagcaatcg cacaagggga ggcacacctat 200
cacagtcttt tatggcaatc ttgttatctt ggtcacgtcc aaaagagata tcttgagag 250
ctccacaggg tcraagggtg acttcttttt tgggatggtc taacaatccc accagtactg 300
ggatgccttt gagctccgcg aggtcagttc tcaccttgtc attggggtag cataagtgtt 350
gaaagtctgc aaga 434

```

```

<210> 270
<211> 156
<212> DNA
<213> Homo sapiens

```

```

<400> 270
ctgacacagc gattaccagt ggcattccaa tactgtgtga ctaaggattt tgtatgctcc 50
cagtaaaac cagaatcaga caggtatgag ctajtcacaa gcaagtcttt gttggattcg 100
atagggtcca ggtctgtgtg aaggtcggag gagtta 156

```

```

<210> 271
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1)...(533)
<223> n=A,T,C or G

```

```

<400> 271
ccattgtcac ggtctgtctg acatttactg ccaaacgcac ggcaaggaaa aactgcttag 50
tgaagaacct agaagctgtg gagaatttgg ggtccatgtt caccatctgc tctgataaaa 100
ctggaaacct gactcnaaac cggatgaaag ttgtccacat gtgggttcga atcaaatcc 150
atgaagctga taagacagag aatcagagtg ggtctctttt tgacaagact ccagctacct 200
ggcttctctc gtccagaatt gcaggtcttt gtaacagggc agtctttcag gccaaccagg 250
aaaacctacc tattcttaag cgggcagttg caggagatgc ctctgagtcg gcaactctta 300
agtgcacaga gctgtgtgtg ggtnnagtga aggagatgag agaaagatac nccaaaatcg 350
tcagataacc cttcaactcc accaacaagt accagttgtc tattcataag aaccccaaca 400
catcggagcc ccaacacctg ttggtgatga agggcgcccc agaaaggata cta 533

```

<210> 272  
 <211> #30  
 <212> DNA  
 <213> Homo sapiens

<400> 272  
 tggatgtttt cttttctttt tggatgtttt atactttttt ttcttttttt ttctctatct 60  
 ttctcttctg cttctcgtac ttctgtcttc cagtttttca cttcaaaatt ctatctttct 120  
 caaattgttt catcttacc cttccaatta atctttccat ttctgtctgc gtttagtaaa 180  
 tgggtttaact aggttttaaa tgaaggcaatt cttcttggtt catggatttc aaggtctttt 240  
 aatcaccttc ggtttaatt ctttttaaaa gatcggcttc aaattatttc aatcacctac 300  
 aacttttaaa ctaaaattta agctgtttta gtcaccttca ttttaattta aaagcattgc 360  
 ccttctattg gtatttaatt ggggtctctg agtcttttct cttcaatttc ttttaaatad 420  
 attttttact ccatgaagaa gtttcctctt aaactcggtc atgtttttag aaccttttat 480  
 ctcttccttc ctcaggtcac tttcttaagt cttcatattt tctcttaaaa tcttaagcta 540  
 ttaaaaattac gttaaaaaatt taaggttaag caatatctta gtaacctatt gactatattt 600  
 ttaagtagt tgtattaatt tctatctttt 630

<210> 273  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 273  
 ctgggtttgc cttccagttt attctgaatt tagatttgc cagcctaatt aagttctctg 60  
 aaaaatagaa ggcacacagg ttcttttggg atcatctaca agtgaggggt acacagcatt 120  
 taaaaccttg taccagcttt cttcatgtac agaggaacga ccacagaagg aaccaattga 180  
 ctgatttcag gcaacaattt ctttaaatad agacagact acagcattat catccttttc 240  
 tgggtggtct cagctccaag tatttcaggc tgggacaagg aaacctttac atagcagtgg 300  
 aatttaagta aatgcagctt cattccaatt catgcaaaag gtgttcaata tgaatgcctc 360  
 agttctctct gttaatgaac cagaaaattt aaaaacagaa 400

<210> 274  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)  
 <223> n=A,T,C or G

<400> 274  
 ttttagtatt tccacagaaa ggtgaagaaa ggggaaaaga aattagaaga gaattcatat 60  
 gacttttatt ctgggagcat tctcatttga gaggcacaga atcaacctat agacaaagca 120  
 ctggaagactt atgaagcctt tgttgctcag ttcccagtt ctggcagatt ctggaaactg 180  
 tactttgaag cagaggttac tattttattt tattttttct tatatcagta ttgcagcatt 240  
 cactgttctg atagaaaaaa agttagggaat atagccaatt aggacaagga ggattttaat 300  
 gttgcttacc ttatatttctg aaaataggta taaggagta attaaaatga a 351

<210> 275

<211> 381  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(381)  
 <223> n=A,T,C or G

<400> 275  
 gnnnggttgc nnnngagggtc tgagaagccc ataccactat ttgttgagaa atgtgtggaa 60  
 tttattgaag atacaggggtt atgtacggaa ggactctacc gtgtcagcgg gaataaaaact 120  
 gnncaagaca atattcaaaa gcagttttgat caagatcata atatcaatct agtgtcaatg 180  
 gaagtaacag taaatgctgt agctggagcc cttaaagctt tctttgcaga tctggcagat 240  
 cctttaattc catattctct tcatccagaa ctattggaag cagcaaaaat cctggataaa 300  
 aacgaagctc ttcattgcctt gaaagaaaatt gttaagaaat ttcattctgt aaactatgat 360  
 gttctcagat agtgataac a 381

<210> 276  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (5)  
 <223> n=A,T,C or G

<400> 276  
 gcttcagctc cggcggggac tgcctggagg aatggcgccg cgggggtcaa gcaatgcttc 60  
 ctgtgtggcc ctgacaatca tagccagcac ctgggctctg agcccaactc actaacctac 120  
 caagcagcac gtggagagac taaaagcccc gctggatcgc cctttcaaaa atttgggaatc 180  
 tgcctctcac tccatcgtgg gactcagcag ccttggctgc caggtgcacg atgcaaaagaa 240  
 agtatgtaac tacatcagat ctacacctga tcccagcaat gtggattccc tctttctacg 300  
 ttttcaggcc agccaggccc tctcaggatg tgagatctct atttcaaatg agaccaaaaga 360  
 tctgtctctg gcagacctcg gctggagaca 376

<210> 277  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<400> 277  
 tgggacttc tggggtagga gttgtcttgc tatctccagt tccacagacc caaccagtta 60  
 cgtcgtttt ggaaccattc tggggggatt cgcacacatt cctataatg atctggccgc 120  
 actggagcgt gctcttcagg atccaaatgt ggtcggcttc atggtagaac caattccagg 180  
 tgaagcagcc gttgtcttgc cggatccagg ttacctaatg ggagtgcag agctctgcac 240  
 caggcaccag gttctcttta ttgctgatga aatacagaca ggattggcca gaactggtag 300  
 atggctggct gttgattatg aaaatgtcag acctgatata gtctctcttg gaaaggccct 360  
 ttctgggggc ttataccc 378

<210> 275  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<400> 275  
 ggaggggaca ttcttttttca cctcagagtc ggtcggggaa ggcaccccag ataagatttg 60  
 tgaacaaacc agtgatgctg tctttgatgc ccaccttcag caggatcctg atgcacaaagt 120  
 agcttgigaa actgtttgcta aaactggaat gatcctttctt gctgggggaaa ttacatccag 180  
 agctgctgtt gaccaccaga aagtggttcg tgaagctgtt aaacacattg gatatgatga 240  
 ttcttcataa ggttttgact acaagaattg taagctgctg gttagccttg agcaacagtc 300  
 accagatatt gctcaaggctg ttcatcttga cagaaatgaa gaagacattg gtgctggaga 360  
 ccaggg 355

<210> 275  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<400> 275  
 cctaagaaat gagacttgctg acacaaggcc aacgaactaa gattagccca gggttgttagc 60  
 tgggaagact acaacccaag gatggaaggc cctgtcaca aagcctacct agatggatag 120  
 aggaaccaaag cgaaaaaagat atctcaagac taacggccgg aatctggagg ccacatgaacc 180  
 agaacccaag aagjatagaa gcttgaagac ctggggaaat cccaagatga gaacccataa 240  
 cctcacctct tttctattgt ttacacttct tactcttaga tatttcacgt tctcctgttt 300  
 atctttaagc ctgattcttt tgagatgtac tttttgatgt tgcgggttac ctttagattg 360  
 acaagtatta tggctggcca gtcttgagcc agctttaaat cacagctttt acctatttgt 420  
 taggtctatag tgttt 435

<210> 280  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<400> 280  
 cctggatgag ctgttaactg agcacaggat gatctgggac ccagcccagc caccctgaga 60  
 cctgactgag gctttcctgg caaagaagga gaaggccaag gggagccctg agagcagctt 120  
 caatgatgag aacttgccga tagtgggtggg taactgttct ctgcgcggga tggtagaccac 180  
 ctccacaaag ctggccttggg gcttcctgct catgatctta cacttggatg tgcagcgtga 240  
 gcccagacct gtccggggcg ccgcttcgaaa ttccagcaca ctggcggccg ttactagtgg 300  
 atccagacctt ggtacccaag ctggcgtaat catggctata gctgtttcct gcttgaaatt 360  
 gttatccttt cacaattcca cacaacatac gagtcgggaag cataaaagtgt aaagcctggg 420  
 gtgctcttg agtga 435

<210> 281  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<400> 281  
 catctgatct ataaatgggg tggcatcgac aaaagaacca ttgaaaaatt tgagaaggag 60



```

gctgctgaga tgggaaaggg ctcttccaag tatgcttggg tottgataa actgaaagct 100
gagcgtgaac gtggtatcac cattgatata tcttcttgga aatttgagac cagcaagtao 140
tatgtgacta ccttctgatgc cccaggacac agagacttta tcaaaaacac gattacaggg 240
acatctcagg ctgactgtgc tgtcttgatt gttgttcttg gcttcttgga atttgaagct 300
ggtatctcca agaatgggca gacccgagag catgcccctt cggcttacac actgggtgtg 360
aaacaactaa ttgtcgggtg taacaaaatg gattccactg agcccctac agccagaaga 400
gatctgagga aattgttaag                                     440

```

<210> 282

<211> 500

<212> DNA

<213> Homo sapiens

<400> 282

```

tttgtgggac aggagcccc tccccgggca gctctgacgt ctccacggca gggactgggtg 60
cttctctggag ctccactcc ccagactccg gtggaagtga cgtggacctg gatccactg 120
atggcaugct ctcccccagg gatgggtttt gtgactgcaa gaagggggat cccaagcacg 180
ggaaagggaa acgaggccgg ccccgaaaag tggacaaaga gtactgggac tgtctcgagg 240
gcaagagag caagcacgg cccagaggca cccacctggt ggagtccatc cgggacatcc 300
tcatccaccc ggagctcaac gagggctcca tgaagtggga gaatcggcat gaagggtctt 360
tcaagtctct ggtctccgag gctgtggccc aactatgggg ccaaaaagaa aagaacagca 420
acatgaccca cagaaagctg agccggggca tgggtacta ctacaaaagg gagatctgg 480
aacgggtgga tggcgggtga ct                                     500

```

<210> 283

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1... (433)

<223> N=A,T,C or G

<400> 283

```

ccatattaga ttactggaac atttaagcat cagtgtgtga ccctgggaac aaaagacttc 60
ggggagtgct tattttttaa aaggtttatg tgtgtcgagg cagttgtaaa agatttactg 120
cagaatcaan cccactttta ggctttagac caggttttaa ctatctaaaa atattgactg 180
anacacaaaa ggtttctaaa tgtggctatt ctgatccata nttgnttttt aaagaaaaaa 240
antgntata cagaaagagt ntaaaagtto tgtgaattna atgcaaatta gnncacatc 300
ttgacttccc aaanacttga ttnatacctt tnaactctnt ctttctctgn ncttctttaa 360
nnttaactat tnggnagtnn anggcctctn gnanaacacc nttnncgnt cctcgcaatc 420
cctctgcttc nan                                     433

```

<210> 284

<211> 470

<212> DNA

<213> Homo sapiens

<400> 284

```

tctggaagga tcagggatct gagcaaagcc aagtttactt aagctaagcc acttgttctt 60

```

```

gggtcaagca gtttgttttc taataagcat cattcttgat cattagagca aagggatgaa 120
tgctctctct ggaaatgatac aggggatctg ccactgggag agtgttgcct agtgttagag 140
tagcagcaat gacagaatga cagcgactct ctgagtcacac ccagtacttt tagtaccctg 240
tcactatgtg aataaaaggca gctagaaaaat ggactcaatt ctgcaagcct ccattggcaac 300
agcccatatt aagacttcta gaacaagtta aaaaaaaatc tctcatttcc atccatgcat 360
gggaaaaggg ctttagtata gtttaggatg gatgtgtgta taataataaa atgataagat 420
atgcatagtg ggggaataaa gcttcagagt ctttcagta tggggaatcc attgtatct 470

```

<210> 285

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(435)

<223> n=A,T,C or G

<400> 285

```

ttttctctct tttttttttt ttaataaaaa tgcataaatt tattccattg tataaaaaag 60
tcattccctat gtaacaaaaat gtntctcttan aaaaanaaat atattatttc aggtcataaa 120
tcttcagcaa acatataaact gttggcaact aaaaaaaaac ccaacactgg tattttccat 180
cctngctgaa aacaaaactg cttaaanata tatttacagg gatagtncag tctcaaaaaa 240
cctaaaatga ggtatttttg ttctctctagg agtagacaat gacatttttg gangggcaga 300
cctctnnccc aaaaaataaa ataagggnat nttcttcant atngaanann gggggcgccc 360
cggggaaaaa naaaacttgg gnnngggggt tgggcacaag ccttgaaaaa aaanttttnt 420
tctcaaaaaa aactng 435

```

<210> 286

<211> 301

<212> DNA

<213> Homo sapiens

<400> 286

```

cttgggtctct ggtggcctct atgaatccca tgtagggtgc agacgtact ccattccttc 60
ctgtgagcac caggtcaacg gctccgggac ccattgcacg ggggagggag ataccctcaa 120
gtgtagtaag atctgtgagc ctggctacag ccgacctac aacaggaca agcactacgg 180
atataatccc tacagcgtct ccaatagoga gaaggacata atggccgaga tctacaaaaa 240
cgtccctgtg gaggaagctt tctctgtgta ttgggacttc ctgctctaca agtcaggagt 300
g 301

```

<210> 287

<211> 432

<212> DNA

<213> Homo sapiens

<400> 287

```

tccagcttgt tgcaggtatg agaaccggca ttgatgacat tgaacggcgg gactggcagg 60
atgaattcag agttggcagc caagtacggc atgtggcggt acagggggac ccccttctca 120
acggcaccag ctttgcagac ggcaagggac accccagaa ttgggttcgc accaaactta 180
gatttatctt ctgttcacac catctcgatc atcagtttgc caatcttctc ttgtttctgt 240

```

```

acgttcagtt ttttggttaa cagggcaggg gcaatagttt tattgatgtg ctcaacagcc 300
tttgagacac ctttccccat atagggagtc ttatcattgt ccgggagctc taggggctca 350
tagataccag ttgaagcacc actgggcaca gcagctctga agagaccttt tgaggtgaag 400
agatcaacct ca                                     430

```

```

<210> 288
<211> 326
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (254)
<223> n=A,T,C or G

```

```

<400> 285
tttgggtcaa gtcaaaagtc tggctctctt ctccgctctc ttcttcatca tagtaataaa 60
cgttggttccg ggtgtcatcc ttggggggga gtaagggctc ttggaccacc gctctctctc 120
gaagaaacag caagagcagc agaatcagaa ttaggaaaag aagaattctt ccaagaatcc 180
ccagaatggc aggaatttgc aatcttgctt cgacaggctg tgccttctta cagacggcgg 240
gggcctcttc acatccacac aggtcgacct cttaagtggtt caattgggtt ttattctggt 300
tttccatgag cttgagattg attttg                                     326

```

```

<210> 289
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<400> 289
gtcccggtgtt ggtcgtgcgc tgggtctgtt ggggtcactt agccaagatg cctgaggaaa 60
cttagaccca agaccaacc atggaggagg aggaggttga gacgttcgac ttccaggcag 120
aaatttgcca gttgatgtca ttgatcatca atacttctta ctccaacaaa gagatcttct 180
tcagagagct cattccaaat tcatcagatg cattggacaa aatccgggtt gaaagcttga 240
cagatccacg taaatttaga ttggggaaaag agctgcatat taaccttata ccgaacaaaac 300
aagatccgaac tctcactatt gtggatactg gaattgggaat gaccaaggct gacttgatca 360
atuaaccttg tactatcgcc aagtctggga ccaaaaggct catgggaagct ttgcaggctg 420
gtgcagatat ctctatgatt ggacctcggc c                                     451

```

```

<210> 290
<211> 494
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (421)
<223> n=A,T,C or G

```

```

<400> 290
tttttttttt tcaaaaacagt atatttttatt ttacaatagc aaccaactcc ccagtttggtt 60
tcaattgtga catctagatg gcttaagatt acctttctggt ggtcacccat gctgaacaat 120

```

```

atTTTTcaat cttccaaaaca gcaaagactc aaaagagatt ctgcatttca catcagttca 180
caagttcaag agtcttccat ttatcttagc ttttggaata aattatcttt gaggtagaag 240
gacaatgacg aagccactta attccttggt ttgcataaaa agcagattta ttcatacaaa 300
cttcatttat gtgaataaaag cagatgatga taaaatgttc tcttattctt gtttaattag 360
tagtggtagt gatgcagaaa atttgtaaat gcacttcaaa ccaattgtgg ctcaagtgtt 420
ngtgggtccc caaggctggc accaatgaga ctgggggtttg ggaattagtt ggtcatcato 480
ctcctgtgtg ccca                                     494

```

<210> 291

<211> 335

<212> DNA

<213> Homo sapiens

<400> 291

```

tcgggtggtt aacatgaaaa caaaactttgt gctgttttgt tcattgtatg cattgatgga 60
gtcttgtrtc tcatcatggg gtgtctgacc atccaaacctg cagtactcat aattctctca 120
catgcaatlaa tcttccaaaaa tgtccaatac ccttgctcatt tgaactgaaga ttagtactcg 180
tgaaccttgt tcttttaact tagggagpag cttgtctaaa accaccattt tggccactgtt 240
ggctactaga tgcatactcg ttgtataagg tggaccaggt tctgtctcat caaagagata 300
tggatgatta caacatcttc tcaactgcac taggatgttc aataacctca ttttgtccat 360
cttgactagt gagttagagta tatctatata ctccattaat atccagatat accattcccc 420
ttgtaatttg ctgaggccca catagatttt tacttctctt tttggaggca aactctcttc 480
aacatcagcc ttaattcgac gaaggaggaa tggacgcaaa accatatgaa gcttc     535

```

<210> 292

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 41... (376)

<223> n: A,T,C or G

<400> 292

```

tannagctcg tggatgacga gatcctggtg gaggtgatgg atccttctct cgtgtgcttg 60
ttaaattgag cctgccccct ggccacaaag ccttctgttg gaactgagaa gtgtatatgg 120
ggcccaactt actgggtggca gaacacagag acagcagccc agtgcacatg tgtcgagcat 180
tgcacacccc atgtgtggaa ctaggaggag gaatattcca tcttggcaga aaccacagca 240
ttgtctcttt tctacttggt tgtctggggg aatgaacgca cagatctgtt tgaacttgtt 300
ttcaaaatag ggtccccca cctcccccat ttttgtgtcc tttattgnag cattgctgtc 360
tcttaagctag ccccta                                     376

```

<210> 293

<211> 310

<212> DNA

<213> Homo sapiens

<400> 293

```

tcgggtggtt cctggctctg ggggatggg tttgttttgg aaatcctcta ggaggctcct 60
cctcgcatgg cctgcagctt ggcagagccc ccagatttgt tctctgtga tgcatttctt 120

```

```

tctccaggt agagttttct ttgattatgt tgaattccat tgcctctttt ctcatcacag 180
aagtgatgtt ggaatcgttt ctcttggttg ttgattccat ggttttttta agtataaaca 240
aaagttttct attagcattc tgaagaagg aaagtaaaat gtacaagttt aataaaaagg 300
ggccttcacc tttagaatag                               320

```

<210> 284

<211> 359

<212> DNA

<213> Homo sapiens

<400> 284

```

ctgtcataaa ctgggtctgga gttcttgagc actccttggt caccaaatgc accatttccr 60
gagacttggt ggctctctcg ttgagtcac ttggctttct gtcctccaca gctccattgc 120
cactgtgat cactagcttt ttctctgccc caccctctct tggactgttg actgcaatgc 180
aacttgcaag aatcaaaagc aaggccaaga gggatgcaca gatgacagc cattctggaa 240
tttgggggtg ccttatagga ccagaggttg tgtttgtccc acctcttga ctcccatgtg 300
agtgtccacc tgattccagat ccattgagtg tatgggaccc cccactgggg tgggaatgtg 359

```

<210> 285

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (559)

<223> n=A,T,C or G

<400> 285

```

cttgagtttg gctgactgcc agagacagac cctctgggtg ctgggtgaac cagccaggca 60
tttaaccag tggttggcac ctggaacctg tccagggccc tccctgact gaggagccg 120
ctggcagtga agtaattgtc caggtctatg ctctgggtg ggataccata gccatccaag 180
gtaattctca ggttgctgga ctgggtctga gtataggcag aactgggccc caggatgac 240
tctgggagtg ggggaagctg tgaggtcagg taagtatcca cgtccacccg taccccaatc 300
aaactcagca gaatgggtgaa ctggagaagt ccttcctgta agtatctctt cagagaaaag 360
attgctgaag gaccagaatg ttatgtctt ttgttttta aaatcttcca aaagacaaat 420
caaggccact gctctgcccg tccagccagc aggttacccr cctcagtgta aaaccccgta 480
ccccaacctg gcagaacaca agggatgagc tccctgacgg cctcagagga aagcacacc 540
tgtggagcca agggcaanga cacactccag accacattca tttt                               584

```

<210> 286

<211> 287

<212> DNA

<213> Homo sapiens

<400> 286

```

ccttatcatt cactcttagc tcttaattgt tcattctgag ctgaaatgct gcattttaat 60
tttaaccaaa acatgtctcc tatcctgggt ttgttagcct tcttccacat cctttctaaa 120
caagatttca aagacatgta ggtgtttgtt catctgtaac tctaaaagat cctttttaaa 180
ttcagtccta agaaagagga gtgtttgtcc cctaaagagt tctaatggca aggcagccct 240
gtctgaagga cacttctgct ctaagggaga gtggtatttg cagacta                               287

```

<210> 297  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<400> 297  
 ccaattgaaa caaacagttc tgagacogtt cttccaccac tgattaagag tgggggtggca 60  
 ggtatttggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120  
 ctagcttcag cagccttcctt gccactgct ttgatgacac ccacggcaac tgtctgtctc 180  
 atatcaggaa cagcaaaagg aaccaaaagg ggatagtctg agaagctctc aacacacatg 240  
 ggtctggcag gaaccatata aacaatggca gcacacacag aactcaagaa tttaggggca 300  
 tctccacgct ttttaccaga aaggcgatca atcttttctt tcagctcaga aaacttgcac 360  
 gcaatgtgag ccgtgtggga atccaataca ggggcacatg cggcgcttat ttggcctgga 420  
 tggcttcagga caatcacctg agcagtgaag ccagacc 457

<210> 298  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<400> 298  
 cctttgactt tctttgtcta cctcctctgg agactcaca tctccaggt tccatgctcc 60  
 cagcagcttc aatgattcct gattctcttc ttcaggagt ctgaatgtct cctgggtccac 120  
 tccacagac cccagtgggt cttgaatttc cttttctaga ggattcattg ccccttgatt 180  
 tcttctcttc ggagtcacaa gtggctgttg agttctgga gatttcagtg tttccaggtt 240  
 ctctgtccc gcagaattca gtgattctag gatctctgtt cctaaagatt ttactgcttc 300  
 tatgctctct tctttgagtg aatttaagaa ctcttgatcc cctttttcaa gaggtctaga 360  
 tctctctctg tcaagagact ccagtggctc tagatccact tttctctggg gtcttaatgt 420  
 cctctgctcc tctccctcta gagacctcct tctctgttga gtctctttt 469

<210> 299  
 <211> 165  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 41... (165)  
 <223> n=A,T,C or G

<400> 299  
 tctctgagaa ggatgaggtt gagggaggtg ggggtatctg ctgctctgac cttaggtaga 60  
 gctctcaca gaagratcaa atgggattgg cacatatgga ctcctttcac aggcacacat 120  
 gatgtgtctc tctctcgggc tggncgggtg tgcacagtg gggta 165

<210> 300  
 <211> 506  
 <212> DNA  
 <213> Homo sapiens

```

<400> 300
tctgaggaaa gtttggggtt attagtatctt gctccagcga acctccaagt tttctccatt 60
ggggacaaag taactaccag ctcttgggt cagtggttg cctccactca gaagttccca 120
gtaggttttg tcattattgt tggcacatag ggcctgaata caggtgatat agggccccc 180
tgagcgcttc tccattgtga aacccaaatat agtatcttc atttctggg cttctccat 240
caccttgagg aagacagaac ctttagcac agtgacattg gtgaatatg tttcattgat 300
tctcacagag taattgacgg agatatatga ttgtgagtca ggaggtgtca cagttatagg 360
ctccacaggg gagatgttga agttacctga agcagagag caagaagagt cttgttaat 420
atccaagag gtctttccca ccagggcagg taagacctgg gctgcagcgt ttggatttgt 480
gaatgtctct tgagaaaatt cagtga 500

```

```

<210> 301
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(304)
<223> n=A,T,C or G

```

```

<400> 301
tcttaaggga gagcccccac cactccaggg tctccagttc ccttagccgt cttactcaac 60
tgcctcttcc ctctccctca gaatttgtgt ttgctgcttc tatcttgctt tttgtttttt 120
ctctcggggg gggctctagaa cagtgcctgg cacatagtag ggctcaata aatatttgtt 180
tgttgaatgt ctctctcttc tttccactct gggaaaacta ngntctgct attctgggtg 240
acctgtatct tttcttggtt gcccattcca ttctgcccagn caatacttcc ccttaaaaa 300
cttc 304

```

```

<210> 302
<211> 492
<212> DNA
<213> Homo sapiens

```

```

<400> 302
ttttcagtaa gcaacttttc cactgtcttca atgtattctt ctttagtagg aatccgggag 60
tattagattg aatgggaaaag cacttgccat ctctgtctag gggtcacaaa ttgaaatggc 120
ctctgtatca cacaaggagg tcttgtgtat cctgggcaac agggagtctt cttattcact 180
ctttatttgc tgggtgtttaa gttgccaacc tccctccca ataaaaattt acctacacct 240
cctgccccttg tagttctggt attcacttca ctatgtgata gaagtgcct gttgctgtca 300
gacacacagg attggttttg gcaaatataa gtgcctgtca tttcttaata cactagaaag 360
gcaaatata ttaagtaga caagtccaag tctaaaaact tagtactttt ccatgcagat 420
cttgcacat gtgagagggg gtcagtttg tctagtgatt gttatttaga gatttggaac 480
actatttgtgt 492

```

```

<210> 303
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<400> 303

```

```

tctggggcag caggtaactcc ctacggcaact agtctacagg ggggaaggacg ctctgtggtg 60
gcagcgggtgg ctccataggg ctgtctgcac tgtaacccaca ggtcgggatg tagccaggac 120
ttgggtccctt tgggaagacag gtctgatgtt tggccaatcc agtccttcag acctgcttg 180
aaacttgtat cttaagtgaa cttaaagaat aaaatgcatt tctaccccca tctcgccccc 240
aggactggca ccagaggccc agggcagatt agatcttttc ccagtactga tgggtggtg 300
gaattccagc caccactctt gattcgattc cacagtgatc ctgtctctg agtattttaa 360
agaagccatt gtcaccccag ccagtgttcc aggagtcggc aaccagccag taggggtgtg 420
cattctccac tcccagccc aggatgggga tggcatggac ctgggcggg 470

```

<210> 304

<211> 79

<212> DNA

<213> Homo sapiens

<400> 304

```

tgtcccatcg ttaactcagc ctcaaatctc aactgtcagg cctacacaaag aaaatggaga 60
gctctctctg gtggatggg 79

```

<210> 305

<211> 476

<212> DNA

<213> Homo sapiens

<400> 305

```

tcaatgagcc acctacagc cagaagagat atgaggaaat tgttaaggaa gtcagcactt 60
acattaaagaa aattggctac aaccccagaa cagtacgatt tgtgccaatt tctgggttggg 120
atggctgaaaa catgctggag ccagctgcta agtaagtgg ctttcaagac cattgttaaa 180
aagctcttgg aatggcgatt ccatgcttac acaattggc atgcttctgt ttcagatgcc 240
ttggctccag gcatggaaag tcaacggtaa gcatggcaat gccagtgga ccacgctgct 300
tgaggctctg gattgcattc taccaccaac tcttccaact gacaagcctt tggcgctgct 360
cttcacagat gtctacaaaa ttggctggttaa gctggctgta aacaaagttg aatttgagtt 420
gtatagagac tgtctgctt cataggtatt tagtatgctg taaatatttt taggta 476

```

<210> 306

<211> 404

<212> DNA

<213> Homo sapiens

<400> 306

```

ctcgtcttgg agtcagggc gcagccagca caccacaggag ccacacaggac agccacgtct 60
tcaatagAAC taagaagtc aggacccagg ccaggacctc aggaacaagt gccccttgca 120
gacatag cga ccagtagga acagctcttg aactactaca taataatgag gggagaatcc 180
tcaatagAAC tgcattccac aagcaatgac aaccattcca ggattttatt cctctacttc 240
tcaatccag atccatttat gagaagttag ttaggatggc aggggcatgg aggggtgaagg 300
gacatagAAC atggctctgag ggcctggaaa caatagaaaa tctcgtctct ttagcatatc 360
ctggacttga aaacaagagt tggagaagag gggggttgat acta 404

```

<210> 307

<211> 200

<212> DNA

<213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (1)...(260)  
 <223> n=A,T,C or G

<400> 307  
 ttcctgcctan acatctgtga gggcctcaag ggtcgtgcs tcgactttct cctagctaa 60  
 gtcacccgt ccagggacac agccagggca ctgctctgtg ctgacttcca ctgcagccaa 120  
 gggcacaat gaagcatctg cggaggccag gactccttg catcggacac agtcagggga 180  
 aaagccaccc tgcctctgca ggacagaggg tctagggcca ttgggcagga gaacactggt 240  
 gtgcacaagg aagcncat 260

<210> 308  
 <211> 449  
 <212> DNA  
 <213> Homo sapiens

<400> 308  
 tctgtgctcc cgactctctc atctcaggtc ccacccagctg cactgggggg ggcctctctg 60  
 ggggaaaggc tccacggggc agggatcac ctccagggcca gtcctctctc ggaggccagc 120  
 cttccaggtc aaagattttg ccccaactggt cggcttcaga gtttccacag aagagaggct 180  
 ttcgacgcaa catctctgca aagatcacgc caacactcca catgtccaca ggtgttgcac 240  
 atgtggatcg cagaagaact tccggagctc ggtaccagag tctaacaacc ttgatcgttt 300  
 cggctggcaa gctcgttggg ggtgccttgt ccagatatgt ccttaggtcc tggctacac 360  
 gctcaaacac caggggtacc ttgatctccc ggtcagttcg ggatgtggca cagacgtcca 420  
 ccagccggac aacattggga tgcacaaaa 449

<210> 309  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (184)  
 <223> n=A,T,C or G

<400> 309  
 ctgtgggacac cgggggtgct gggtaaatgg agaactccag cttggatttc ttgcataat 60  
 caatcgagag acgttcacatg agccagggagg tgaacccaga accagttccc ccaccaaagc 120  
 tcttgaacac caagaagccc tgaagacccg tgcactggtc agccagcttg cgaattcggc 180  
 caacacacag gccaatgac tcttcgcca tgggttagtg ccttggggca tagttatttg 240  
 cagatcttcc ctggctcttg atgagctgct cagggcggaa gagctggugg taggtgccag 300  
 ttgcgaactc atcaatgact gtgggttcca agtctacaaa cacagcccg ggcacgtgct 360  
 ttgcagcgcc cgtctcactt gaanaagggt gtttgaagga agtcatctcc 411

<210> 310  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (250)

&lt;223&gt; n=A,T,C or G

&lt;400&gt; 310

```

tctctgtctca gtttgactcg attagtctctc ataaggtaag caaggcagat ggtgggtgac 60
cgggaaatgc ctgcttgga gtggacaaac accctctctc cagcattctt gatggagtct 120
atgaagtcaa tggctcggtt gaaccaggag ctgatgtctg cctctgtggtt gctctccaca 180
gggatgctct tgtactggta gtgacctca aaatggcttg gacaattggc tgagacgttg 240
atcagggtan ttatggccaa ggcattccagc atgtctcttg ggggaagctg atacgcactg 300
ccagggtaca gaaagggcag 320

```

&lt;210&gt; 311

&lt;211&gt; 539

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 311

```

tctggcccat gaagctgaag ttgggagaga tgatgcttcg cctctgcttc acaaaactcaa 60
aggctctgct cagcttgact cgactagtcc tcataaggta agcaaggcag atggtggctg 120
atcgggaaat gcttgcttg cagtggacaa acacctctc tccagcattc ttgatggagt 180
ctatgaagtc aatggctcg ttgaaccagg agctgatgtc tggcttgctg ttgtctctca 240
cagggatgct cctgtacttg tagtgacctc caaaatggct gggacaattg gctgagacgt 300
tgatcaagtc agttatgccc aaggcatcca gcattgcttc gggggaagcg tgatacgcac 360
tgcacaggta cagaaagggc aggatttcca cggggccacc ctgaaatcca gaaatatcca 420
acattcatca agcttgctca aagccaaggc cagtgcacat accacacaaa actttctgct 480
ggaaaagtc aattccagata ccagctgaac tcagttctgt tgcctggagga taaataaat 540

```

&lt;210&gt; 312

&lt;211&gt; 475

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 312

```

tcaaggatct tcttaaagcc accatgtgag aggattcgga cgagagctctg agctgtatgg 60
cagaccatgt cctgctgttc tagggctatg actgtctgta ctctaaagtc ggcactctca 120
cagggttag tgatcccaac tgaacctggc aggaacagtc ctgcagccag aatctgcaag 180
caggcctgt atgcaacgtt tagggccaaa ggtgtcttgg tggggttgct catcacagca 240
taatggctca gtaggtaag gatccagggt gtgaggggtt caaagccagg aaaaacgaatc 300
cttaagctct tcagtagctt gatgagaact ttaactgttg actgagaagc attttctctg 360
aaacagcggg catgtcggat ggtgtctaat gcactctgca atactttgat atcctaatgg 420
agttctggat ccagttttct aagattgggt ggcactgttg taatgagaat ctcca 475

```

&lt;210&gt; 313

&lt;211&gt; 456

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 313

```

tccacttaaa gggtagctct gccaaatggg ggaatcctcg ccacttccag caccacggca 60
agcctaacat cttccacaag gatcccgatg tgaacatgct gacgtgttt gttctggggg 120
aatgggcagcc catcgagtag ggcaagaaga agctgaaata cctgcccac aatcaccagg 180
angaatactt cttcctgatt gggccggcgc tggcctatcc catgtatttc cagtaccaga 240
tcatcatgac catgatcgtc cataaagaact ggggtggact ggccctggggc gtcagctact 300
aatccgggtt cttcatcacc tacatccctt totacgggat cctgggagcc ctctttttcc 360
ttaaacttcac caggttcctg gagagccact ggtttgtgtg ggtcacacag atgaatcaca 420
tcttcatgga gattgaccag gaggaacctg gcccgc 486

```

<210> 314

<211> 477

<212> DNA

<213> Homo sapiens

<400> 314

```

tgggtggggt tccggaagcc tggatctgga atcattcacc agattattct ggaaaactat 60
gggtacactg gggtctctct gattggcact gattccaca cccccaatgg tgggggcttc 120
gggggcatct gcattggagt tgggggtgcc gatgctgtgg atgtcatggc tgggatcccc 180
tgggagctga agtgcaccaa ggtgattggc gtgaagctga cgggctctct ctccgggttg 240
tccctaccca aagatgtgat cctgaagggt gcaggcatcc tccgggtgaa aggtggcaca 300
ggtgtcaatg tggaaatcca cgggctctgt gtgactcca tctcttgcc tggcatgggg 360
aaaactctga acatgggtgc agaaattggg gccaccact cgggttccc ttacaaccac 420
aggatgaaga agtatctgag caagacgggc cgggaagaca ttgccaatct agctgat 477

```

<210> 315

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 315

```

cagctactgg atgtcaggtc tgcgaaactt ctanatttt gacctcagtc cataaaccac 60
actatcaact cggccatcat atgtgtctac tggggggaca actggagtga aaacttcggt 120
tggtagaggt cgtggggaaa atcagtgacc agttcatcag attcatcaga atgggtgagac 180
tcaacagact ggtgagaatc atcagtgta totacatcat cagagtcggt cgagtcattg 240
g 241

```

<210> 316

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(241)

<223> n = A,T,C or G

&lt;400&gt; 316

```

ntntgtgat agtgtggttt atggactgag gncaaaatnt aagaagtttc gcagacctga 60
catccaancc tgcocgnccg gncgctcgaa aggnccgaatt ctgcagatat ccacacact 120
ggcggcccgct cgagcatgca tctagagggc ccaattcgcc ctatantgag tnatattaca 180
attcactggc cgtcnnttta caacgtcgtg actgggaaaa cctggcggtt acccaactta 240
a                                         241

```

&lt;210&gt; 317

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(241)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 317

```

aggtacccctg ctccanagcc tggngccctg ggttgtctcc ttgtccatcc actgggtccat 60
tctgctctgc atttttttgt tctctttttg gaggttccac ttggggtttg ggctttgaaa 120
ttataggggt acaantactt cggccgaaac cactctaagg gccaattctg cagatatcca 180
tcacactggc ggnccgtcga gaatgcatct agagggccca attcgcccta tagtgagtgc 240
t                                         241

```

&lt;210&gt; 318

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(241)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 318

```

cgnagnacaan ntacattgat gganggtntg nggntctgan tntttantta cantggagca 60
ttaatatatt cttnaacgtn cctcaccttc ctgaantaaa nactctgggt tgtagccttc 120
tgtgctnana accactnnaa ctttacatcc ctcttttgga ttaacccact ggcggggcac 180
ctctgcggcg accacgctaa gggcnaattc tgcagatata catcacactg ggggcgcctc 240
n                                         241

```

&lt;210&gt; 319

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(241)

&lt;223&gt; n = A,T,C or G

```

<400> 319
caggtactga tgggtgggtg gaantccagc caccantntt gattcgatto cacagtgate 60
ctgtctcttg agtatittaa agaagccatt gtcaccccag tcagtgttcc aggagttggc 120
aacagaccag taggggtgtc cattctccac tcccagccc aggatgggga tggcatggcc 180
accatcattc tctccggtga cgtgttggtt cctcggccgc gaccacgcta agggagaatt 240
c                                         241

```

```

<210> 320
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

```

```

<400> 320
ggcgggaaac aacagagctt agtaatntct aaaaagaaaa aatgatcttt ttccgaattc 60
taaaccaagg actataactg cataaatcat tctagtaaaa cagctaaggt atagacattc 120
taataatttg ggaaaaacct cgattacaag tgaaaaactc gaaatggaaa gatgttgggt 180
tttctctctc cagctctggt tagcttttaa ctctnnnaan cncatgcaca ctgnaactc 240
t                                         241

```

```

<210> 321
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

```

```

<400> 321
angtaccaac agagcttagt aattnttaaa aagaaaaaat gatctttttc cgactttctaa 60
acaagtgaac atactagcat aaatcattct agtaaaacag ctaaggtata gacattctaa 120
tkaattggga aaacttatga ttacaagtga aaactccaga atgcaaatg gttgggtttt 180
tgttctcttg tctgttttag ctcttaactc tgggaagggc tgcacaentg aactctgctc 240
a                                         241

```

```

<210> 322
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 322
ggtaaccaaa gagcttagta attcttaaaa agaaaaaatg atctttttcc gactttctaaa 60
caagtgaact tactagcata aatcattctt ctagtaaaac agctaaggta tagacattct 120
aataatttgg gaaaaacctat gattacaagt aaaaactcag aaatgcaag atgttgggtt 180
tttgtttctc agtctgcttt agcttttaac tctggaagcg catgcacact gaactctgct 240

```

3 241

<210> 323  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 323  
cgaggtactg tegtatcctc agccttgctc tatttcttta ttttagcttt acagagatta 60  
ggtctcaagt tatgagaatc tccatgggtc tcaggggcta aactttcttg ccattctttt 120  
gtctctacag ggctcagaag gacatgtcag gtgggatacg tgtttctctt tcagagctga 180  
agaaagggtc tgaggtgcgg aatcagtaga gaaagccttg gtctcagtga ctcttggt 240  
t 241

<210> 324  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 324  
aggtactctc gtatcctcag ccttgcttct tttcttctatt tttagctttac agagattagg 60  
tctcaagcta tgagaatctc catggctttc aggggctaaa cttttctggt attcttttgc 120  
tcttaccggg ctcagaagga catgtcaggt gggatacgtg tttctcttct agagctgaag 180  
aaagggtctg agtgccggaa tcagtagaga aagccttggt ctccagtgaat ccttggtttt 240  
c 241

<210> 325  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 325  
ggcaggtaca ttgtttttgc ccagccatca ctttttttct tgaggagcct aaatacattc 60  
ttccctgggt ccagagtcctc cattcaagga agtcaagtta agacactaac ttggcccttc 120  
ctgatggaaa atatttcttc catagcagaa gttgtgttct gacaagactg agagagttac 180  
atgttggaaa aaaaaaagaa gcactaaact agtagaactg aaccaggaga attaagttct 240  
g 241

<210> 326  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 326  
gcaggtacat ttgtttttgc ccagccatcac tcttttttct gaggagccta aaatacattc 60  
tctctgggtc ccagagtcctc attcaagga gtcgaagtaa gacactaaat ttggcccttc 120  
ctgatggaaa tatttctctc atagcagaag ttgtgttctg acaagactga gagagttaca 180  
tgttgggaaa aaaaaagaagc attaacttag tagaactgat ccaggagcat taagttctga 240  
a 241

<210> 327

<211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 327  
 ggtaccagac caagtgaatg ccagaggggaa ttatttcttg tgttgataat tcatgaagta 60  
 gaacagcata atcaaaaatca attgtatcat cattagtttt ccactgcctc acactagtga 120  
 gctgtgcrac gtactagtgt gacacctgtg ttgtcatttc ccacatcagc taagagcttc 180  
 caaggaaagc caaatcccag atgagtctca gagaggggac aatatgtcca tgattatcag 240  
 g 241

<210> 328  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 328  
 ggtacnagac caaatgaang ccacaggggaa ttatttcttg tgttgataat tcatgaagta 60  
 gaacant ita atcaaaaatca attgtatcat cattagtttt ccactgcctc acactagtga 120  
 gctgtgcrac gtactagtgt gacacctgtg ttgtcatttc ccacatcagc taagagcttc 180  
 caaggaaagc caaatcccag atgagtctca gagaggggac aatatgtcca tnatcatcan 240  
 g 241

<210> 329  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 329  
 ttcaggtrga gttgggtgga gatttctggg genttctgag ccgtctgtcc ttggccaaaa 60  
 nqctccagag tattattaaa aacatatgga tccccatgaa gccctactac accaaaagttt 120  
 acccggatct ttggatagga atggggctga tgggcttcac cgtttataaa atccggggctg 180  
 ctgttaagaa gtaaggcttt gaaagcttca ggcctctctn ctggctcanna cttaaccatan 240  
 n 241

<210> 330  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 330

```

ttttgtgcag atttgtggtg cgtttctgagc cgtctgtctt gggccaagat gtttcaaagt 60
attattaaaa acatattgat ccccatgaag cctactaca ccaaagttta ccaggagatt 120
tggataggaa tggggctgat gggcttcata gtttataaaa tccgggctgc tgataaaaga 180
agtaaggctt tgaaagcttc agggctgtgt cctggctcgc actaaccaga tttacttgga 240
g                                     241

```

```

<210> 331
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

```

```

<400> 331
nttttaggna ctttgggctc cagaattcac tggctcttagg nattgaaacc atcacctggn 60
ntgcttctct catgactgag gtttaactta aacaaaaaatg gtaggaaagc tttcttatnc 120
tttnggtlaag anacaaatnt nctttaaaaa aangtggaag gcctgacnta cgtgagaact 180
gcacaaactg gccactgaca aaaatgaccc ccatttctgt gacttcattg agacacatta 240
c                                     241

```

```

<210> 332
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 332
tgtagggaga gggaacatgc tgagaaactg atgaagctgc agaaccacag aggtggctga 60
atctctcttc aggatatcaa gaaaccagac tgtgatgact gggagagcgg gctgaatgca 120
atggagcttg cattacattt ggaaaaaaat gtgaatcagt cactacttga attgcacaaa 180
ctgggcactg acaaaaaatga ccccatttg tgtgacttca ttgagacaca ttacctgaat 240
g                                     241

```

```

<210> 333
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

```

```

<400> 333
caggtacaag cttttttttt tttttttttt tttttttttt ttgnaaatad tntttattgn 60
aaatattcta tctaaatttc catatagcca attaatnttt acanaatntt ttgttaattt 120
ttgngngtat aaattttaca aaaataaagg gtatgtttgt tgcacacac ttacaaaata 180
taataaaactn tttattgnaa atattnttta ttgnaaatat tctttatctt aaattccata 240
t                                     241

```



<210> 334  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 334  
 taccctgttgn aggggntgaa gnontctctg ctgcccagg catctgcanc ccttgcctgt 60  
 ggttctgtccc ctgtgtcagc agaggagaag aaagatgaga agaaggagga gtctgaagag 120  
 ctacatgatg acatgggatt tggccttttt gattaaannc ctgtccccc gaaaataaag 180  
 cctttttaca caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagcttgtac ctgcctgggc 240  
 g 241

<210> 335  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 335  
 ctatgtgttg ggatgactat ggagacccaa atgtctcaca atgtatgtcc cagaaacctg 60  
 ttgtgtgttc aaccattgac agttttgttg ctgtgtgctt ctgcagacag tcaagctgca 120  
 gcttccctcaa aggtgtgtgt gaaacttgag cccctgtgga tcaactgtgt ccaggaggac 180  
 tctgtgactc tgacatgcca gggggctcgc agccttgaga ggaactccat tcaagtgttc 240  
 c 241

<210> 336  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 336  
 taccacatta tgcagccaa gaaactcagc agttcccttc aaggccacct ccaccacaa 60  
 ctgaagatc atctcagga aacttaattc ctgcctgtcc tgcctctgca cttcttttat 120  
 atagcttct cacttgattc ttttaacctt ttttttgcaa atgtcttcag ggaactgagc 180  
 ttaaacctt tttttcttg atgtttctt gaaaagcctt tctgttgcaa ctatgaatga 240  
 a 241

<210> 337  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 337  
 ggtactgtat gtagctgcac tacaacagat tcttacogtc tcacacnagg tcatanattg 60  
 taaatggtna atactgaatt tttttttatt cctttgaact aagacagcta acttcatttt 120  
 cagaactggt ttaaaccttt ggtggtggg ttataaaata atgtgtgtaa tcttggttgc 180  
 tttctgata ccagactggt tcccggggtt ggttagaata tattttgntt tgatgcttat 240  
 a 241

<210> 338  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 338  
 aagttacaggt gtggggtgag ccgagttttac agggaaagga taaagcccat ttagtttttt 60  
 cttaaaaggga gttttccact tttttttgaa gttagacagca ttaccacagga ccatcctggt 120  
 atccccctct acagaacctt caggttaacaa gtctgggatt ttgcctttgg tttagagtct 180  
 gacccaagaa ttaacttttt tcttagcttc ttctgcacat tctaggaagt ctactgctg 240  
 g 241

<210> 339  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 339  
 tcttgagggt ccttggagggt agagagtga gggacacggg aagaatcaaa gtccagcatg 60  
 aatgtgtctg caactcaaaa gatcaaggcc ataaccacgg agaccatcaa cgggaagatta 120  
 gttctttgtc aagtgaatga aatcaaaaag cagccatgag accaatgaaa gtttcggcct 180  
 gttgtataat ctattttccc ccaaggaaa gttttgcaca gacacacgtg agtgagttct 240  
 a 241

<210> 340  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 340  
 gtaacatcra cacacacatg ccgtaaacag gatttatcac aagacacggt tggatgtaga 60  
 ccagacacag ggcgtatgga aagcaagctc caaagactgt agtatccag atgagctgca 120  
 gttgtctaac taccacgggc gtctccaca gaaaaccata gccaaactct gogatcagct 180  
 tctgactcac aaactttgt taaaagctgc ttacatggac ttctgtctt taaaagcttc 240  
 c 241

<210> 341  
 <211> 241

<212> DNA

<213> Homo sapiens

<400> 341

```
gtacaggccta ctttcgtctc atgtctccga acttcttctg gatggccggt ccaacgttgc 60
tgaaagctgc agttgccttt tgccttgggt gactcagggg ttcatgtgtt ttcttgtagg 120
cagtcggtagt ctgcctgtca tgcctagctt tgcctgaagt ctgttttaat tcattcctca 180
ggctcagggc gagttttgtt ttatctcaac tagatgcctt cctttcgttg aaaaaacttg 240
t 241
```

<210> 342

<211> 241

<212> DNA

<213> Homo sapiens

<400> 342

```
gtacattcgtt gctataaata taaatgctac ttatgaagca tgaaattaag cttctttttt 60
cttcaagctt tttctcttct cttagcaatct gttaggcttc tgaaccaaga ccaaatgttt 120
aagttctctt gctgcatacc aaggttactc caaacaataa aaatctatca tttctgctct 180
gtgttgagga atggaaaatg aaaccccccac cccctgaccc ctaggactat acagtggaaa 240
c 241
```

<210> 343

<211> 241

<212> DNA

<213> Homo sapiens

<400> 343

```
gtacatgtggg tagcagtaat tttcttgaag caactgcact gacattcatt tgagtcttct 60
ctcattatca gattctgttc caaacaagta ttctgttagt ccaaatggat taccagtgtg 120
ctacagcttt cttattatag aacagcattc tattctatat caaaaatagt ttgtgtgaagt 180
tugtttttgt taccatctaa aatattttta aatgttcttt acataaaaat ttatgtttgt 240
t 241
```

<210> 344

<211> 241

<212> DNA

<213> Homo sapiens

<400> 344

```
ggtaaaaaat tgttgggaatt tagctaatag aaaaacatag taaatattta caaaaacgtt 60
gataacatta ctcaagtcac acacatataa caatgtagac aggtcttaac aaagttttaca 120
acttgaattt atggagattt ccaaaaatga atttaatagt tcattgtgtg gaatggttat 180
caatattaca tttaagatct tggatcaaat gttgtccccc agtcttcttg aatccagttc 240
t 241
```

<210> 345

<211> 241

<212> DNA

<213> Homo sapiens

&lt;400&gt; 345

```

ggtagcgaagc tgagcgcacg ggggttgccc cagcgtggag cctggacctc aaacttcacg 60
gaaaatgctc tctctctctg acaggtcttc agctgtcttc taatttctg gatgaactct 120
ccctggcgat ttaactgacc ctgaaaagtg gtgagaggac tgaggaagac aaccaggtca 180
gggttagacc ggctctgag ggtggtgccc ttgcttgagg agccaccttc taccaccttg 240
g                                     241

```

&lt;210&gt; 346

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 346

```

caggtaaccac tgagcctgag atgggggatga gggcagagag aggggagccc cctcttcac 60
ttagctgttc ctactcagac tgttgcactc taaacctagg gaggttgaag aatgagacct 120
ttaggtttta acacgaatcc tgacacacac atctataggg tcccaacttg gttattgtag 180
gaaaccttcc ctctctctct ggtgaagaac atcccaagcc agaaagaagt taactacagt 240
g                                     241

```

&lt;210&gt; 347

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 347

```

aagtaactct aaagggatga agcaactaat tgggcaatta acattagtgt ttgttctctg 60
atggtatctc tgagaatact ggttgttagga ctggccagta gtgctctgg gactgggttc 120
accaccaggt ctggggcagt tgtcacagcg ccagccccgc tggcctcaca agcatgtgca 180
gtagcaaatg gcacagagat attccttctg ccactgtctt cctacgtggg atgctctccc 240
a                                     241

```

&lt;210&gt; 348

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(241)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 348

```

aagtaactgg caagattnga tgcctttagg ctantgaa taattcataa ctgttngtg 60
tgaacagagg aggagacct catctgtctc taattcgtca gnnccctctc ctctctgaat 120
ctcaaacaaag ttgataatgg agaaaaatct gaattctcag gattgaggct ggaatgggtc 180
cgtctacang catacaactag cgtggctaag gccctctctc accctgatg anaacctga 240
c                                     241

```

&lt;210&gt; 349

&lt;211&gt; 241

&lt;212&gt; DNA

<213> Homo sapiens

<400> 349

```

gagaggtatca tttgtgtgac ctctgtaaaa aatgtgatcc tacagaagtg gagctggata 60
atcagatagt tactgttacc cagagcaata tctgtgatga agacagtgtc acagagacct 120
gtatcactta tgacagaaac aagtgttaca cagctgtggc cccactctta tatgggtggg 180
agacaaakat ggtggaaaca gcttaacccc cagatgcttg ctatcttgac taatttaagt 240
c                                         241

```

<210> 350

<211> 241

<212> DNA

<213> Homo sapiens

<400> 350

```

aggtactatg gatattttaa ataccacagt aacaagatca tcttcttcc tacagtattg 60
caggccaaac acttaagtga aagcagaagt gtttgggtga ctttctact taaaattttg 120
gtctatctat ttcaaaaacat ttgcatcttg gttggttga tatgcttcc tattgatccc 180
aaacaaatc ttagaatcac ttcattttaa atactgagtg gtattgaata ctccgaagca 240
g                                         241

```

<210> 351

<211> 241

<212> DNA

<213> Homo sapiens

<400> 351

```

tacagaattc atttggagcc gttttgagac agaagtagag gctctgtcaa gtcaatactg 60
cattggcaggt tggctccactg aagaagccc gcttgagata caaaagatgc actacacttg 120
aactgtttta tggctgcttc ctctcccttc ctctctcctc aattttatta ggttaaaaac 180
cctcctatag gttttctcca aatgaactcc tatgtctggg gtttggttag aattttatgc 240
c                                         241

```

<210> 352

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 11 ... (241)

<223> n = A,T,C or G

<400> 352

```

gtacctctgt gagctgacc aagattannt ggggcatcca tgactgcanc cactacgang 60
aaggaggcgt gnagtgcata gtctgacccg gaaacccctt cacttctctg ctcccgaggt 120
gtctctcnggc tcatatgttg gaaggcanan gatctctgan gagttncctg gggacaactg 180
andcgcctct ggagaggggc cattaataaaa gctcaacatc attggcaaaa aaaaaaaaaa 240
a                                         241

```

<210> 353

<211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 353  
 aggtaccagt gcattaatTTT gggcaaggaa agtgtcataa tttgatactg tatctgtttt 60  
 ctttcacagc atagagcttt tggggaagga aagtattgaa ctgggggttg gtctggccta 120  
 ctggggtgac attaaactaca attatgggaa atgcaaaagt tgtttggata tggtagtgtg 180  
 aggtctctct ttgggaatttt tttcaggtga ttttaataata atttaaaaact actataaaaa 240  
 G 241

<210> 354  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 354  
 ngcaggctccy ggcaggtaac aagatttcatt ctcatcaaaa actagaaaaca gaagggcaca 60  
 ctccagtttc cttctgggat tgaatacttt caagtaaggt ctccgacaaa caatcagggg 120  
 gccaattaat ccactgtaga ggtccttaac ttgatccaca gttgaataat aagcccatgg 180  
 aatacaagca gaatcctctg ttccagctcc agatctttct gggattttcc atacgttaagt 240  
 G 241

<210> 355  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 355  
 ggtaccacc cttaaatttga actcttatca agaggctgat gaatctgacc atcaaatagg 60  
 ataggatgga cctctttttg agtccactgt ataaacaaat tttctgattt ggacttaatt 120  
 cccaaaggat taagctctact cctgctcact cactctttca aagctctgtc cactcttaact 180  
 tttctccagt gctatagata gggaatttgt cactgggtgc ctagtctttc ttcacttacc 240  
 T 241

<210> 356  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 356

```

aggtactgta attgagcacc cgggaatntgg agaagtaatt tagctacagg gtgaccaacg 60
caagaacata tggcagttcc tggtagagat tggactgggt aaggacgacc agctgaaggt 120
tcattgggtt taagtgtttg tgggtcactg aagcttaagt gaggatttcc ttgcaatgag 180
tagaatttcc ctctctctcc ttgtcacagg tttaaaaacc tcacagcttg tataatgtaa 240
c                                         241

```

```

<210> 357
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 357
ttttgtacca cagatacgat caaggaaaat ttgtgcccatt tttatgggtg aagttctaaa 60
aacctaatcc aaagtctctc catgatctca caatggctcc aagatggctc aggttgggat 120
aaggcttgag cggcgggtgag atccgggggt gccaggagct tgtcgtcttc cagctgggat 180
gaagcccttc ggcacccaga gtctccagga cctgcccggg cgcctgtcga aaggggcgaat 240
t                                         241

```

```

<210> 358
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 11... (241)
<223> n = A,T,C or G

```

```

<400> 358
aggtaacggg agtgggggtg aagctgtgtc tctacatagg caacacagcc gcttaantca 60
caaagtcagt ggtcgggcgc ttgcaccaac atgtgggtgag cattccacgg gcgcctgaag 120
tttgggtggt ggtctcagat ctctgaatat ttgatagga agcgacaaga aaattcaaac 180
tgcctcttgc tgactactgg aaagtcaaaa gatgctcaag tttaccattc aaagaaacca 240
t                                         241

```

```

<210> 359
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 359
gagctacaca aaaggaatar ctctctgagag ccagggagtg aggaaagggg aaggagactt 60
gacctcaagg gtgcttttga ggaacatgac gggccagcca gcttgcctca attttgaggt 120
ctctctgggg tcttgtagct ataaatatcc tgtctatttc taatgcaatc cgtctttctc 180
gaaagatctt gttatctttt actattgaga catgcttcca tttttgtggt cctgttttca 240
a                                         241

```

```

<210> 360
<211> 241
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 360  
 ngtactctat actaattctg cttttttata ctttaattctt aattttctcc ctctaattta 60  
 caaaaaattt tgtgattttt ataagaatct atggtctccc aattctcaga ttcttctctt 120  
 ttctctctta tttcttttgc taaattcagt ataagctttc ttggtatttt aggtcttcag 180  
 cactctctta ttcttaaaca ccagcagttc ttccagagac taaaatccag tataggaata 240  
 a 241

<210> 361  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 361  
 aggtactctt cgtgcccaga caatgaacat taccagcca gatctgccc gtgcagctc 60  
 ccaatttga ctctctctac taccctgtct agaaccatgt cttatgattt taacagatat 120  
 agaacccacc ctgaaaaatg ttcttccact ttctcgtttc cttttttaatc taccatcttg 180  
 aactctgaac ctaaaatctt ttcttccctt ttttcttttc tcttttcttt taccctgttc 240  
 a 241

<210> 362  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 362  
 aggtactctt atactctgtc tangtcagtg acagatttac caatgacaac acaattttta 60  
 aattccaaga catatattac ttgtctctat gaagggcaca aagtcacatc attttaaatt 120  
 ttaaaaacag aatggatata atgaactttt taccatccag tgatatttaa aagacttaaa 180  
 gagaacatcc tatgggttgag acaatggctt cctattccag cctaatttaa agaaaaaata 240  
 g 241

<210> 363  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G



&lt;400&gt; 363

```

ttangtaata aaaacaaaaat cctaattctg ttttaaagag ctgggagatg ttaatcatat 60
gttcagtttt tccagtttat aatttcctaa atgcaaacctt ttcattcagg gcagttcaaa 120
ttcattacat cacagtaaat aacagtaggc aactttgatt ttatgcttat aggaaaaaaa 180
atccgtaga tataaaaaaca gcaaatcttg ataaataaaa ctcaaacctat tcatccttaa 240
a 241

```

&lt;210&gt; 364

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 364

```

ggtacaagca gttagtcctg aaggcccttg ataagaatgt catcttctcc ccaatgagca 60
ttccacagcg ctgggcttcc ctgtctctgg gggccataa taccacctg acagagatto 120
tcaaaggctt caagttcaac ctcaaggaga ctctgagggc agaaattcac cagagcttcc 180
agcaactctt ggcacacctc aatcagtcac ggcagtagct gcagctgagt atggggaatg 240
c 241

```

&lt;210&gt; 365

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 365

```

gaaggtactg agattacagg catgagccac cagccctggc caaaaacatt taaaaaatga 60
ctgtccctgg tcaataactg cagtaggaaa tctaatttga catatatac ttccagaaaa 120
aaacttttaa tctttctata aaatgaattt gatcacatcat cagcatgaag tgaagttaaa 180
atctcttaca aagtaaatcc aggtatatca acaatgagat ccaaaagtat cggttcaaga 240
t 241

```

&lt;210&gt; 366

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 366

```

ggcaggtaca catcaaacac ttcattgctt aaatgcaggg acatgcttcc atctgaccac 60
ttgactatcc gagcattgct ttctttaatt tcatttcctt ctccatctcg ggcctacctc 120
ctctttatag tattttctac ctcttaattt aacttggttc taccctcttc atccagcatt 180
ctctcatctt caaattcctc ttcataatac tgggctctac acttgagaaa gttgggcagt 240
t 241

```

&lt;210&gt; 367

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 367

```

gaaagttacaa ataattcctg ttgtnacatt tagtggacgc gattatctgt atacctcaaa 60
tntaatttta agaaagtatc acctaaagag catctcattt totatagatt gagggottaat 120
tactgaaaag tgactcaacc aaaaagcaca taacctttta aaggagctac acctacggca 180
gaaagtacga tgccttgtaa ataatcttgg tctttcaaaa tagtggcaat gcttaagata 240
c                                         241

```

<210> 368

<211> 241

<212> DNA

<213> Homo sapiens

<400> 368

```

tttgtaattt gtttaatagtg acctcgggag gaaatggatt tctctttctat taaaaactct 60
atggctatata agcattacat aataatgcta cttaaccacc ttttgtctca agaattatca 120
cnaagatttt ctggaaataa gtccacataa gaattaaata tttaaaaggt gaaatgttcc 180
tcaatttaac ttttagaaga tcttttcttt ttcattaaga aacactttta taattttaaa 240
g                                         241

```

<210> 369

<211> 241

<212> DNA

<213> Homo sapiens

<400> 369

```

gaaagttactt tattctttatt tcttatctta tattctgtgt tacagaaaaa ctactaccat 60
aaaacaaaca caaacacgac acagtagttg tgcacagcat gacaattggc ctagtcttca 120
ctttctatta gtaagtttat caagtaagag atgaaggggc tagaaaacta gacacaaagc 180
aacacaggtc caaatcacca aggttagatc gtgcttagct aaagggaaac acccgaagat 240
t                                         241

```

<210> 370

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 370

```

ngttcacagt ggccttcagg cctcgccatg aggtctcttc ttctgcttcc ggctctgggtg 60
gtggctctgt cgatcgtctt ggaaggccca gccccagccc aggggacccc agaagttctc 120
agtgccttgg ataatgtgaa ggagtttggg aacacactgg aggacaaggc tcgggaactc 180
atcagccgca tcaaacagag tgaactttct gccaaagatgc gggagtgggt ttcagaagac 240
a                                         241

```

<110> 371  
 <111> 241  
 <112> DNA  
 <113> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 371  
 ggcaggtcat cttgagcctt gcacatgata ctacagattcc tcacccttgc ttaggagtaa 60  
 aacaaatatac tttacagggg gataataatc tccatagtta tttgaagtgg cttgaaaaag 120  
 gaaagatgta cttttatgac attggataaa atctacaaat cagccctoga gttattcaat 180  
 gataactgac aaactaaatt atttccctag aaaggaagat gaaaggnagt ggagtgtggt 240  
 t 241

<110> 372  
 <111> 241  
 <112> DNA  
 <113> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 372  
 aggtacagca aagggaccc tgggtgnnata gatcagaagg aaattctctc cgtcttgnb 60  
 aatgctggtg acatccatga atccagcagg gtaggttata tcagttcogga ctttgccatc 120  
 gatcttcaatg aacggctgca tgcacatctt ctttacttca tctcctgtca gggcatactt 180  
 aagctctgttc ctcaggaaaa tgatgagggg gagacactct cccaacttgt ggggacoggt 240  
 g 241

<110> 373  
 <111> 241  
 <112> DNA  
 <113> Homo sapiens

<400> 373  
 tcttgaaaca gaaaaaatgt attcccacaa aagctgttac acagcgggtt ccggtcccca 60  
 gaacacagtag aaaatcttag cattccaatg gaagggcatgt atttgtaaaa tattctaaaa 120  
 tcaactctat agtttcttgg tctctcttga taagggatca gacagagggt gtgtccccc 180  
 tcaacagcta ccttcttga caaactggtc tccaataata cctttcagaa acttacaaga 240  
 c 241

<110> 374  
 <111> 241  
 <112> DNA  
 <113> Homo sapiens

&lt;400&gt; 374

caggtaactaa aacttacaat aaatatcaga gaagccgtta gtttttacag catcgtctgc 60  
 ttaaaagcta agttgaccag gtgcataaatt tccatcagt ctgtccttgt agtaggcagg 120  
 gcaattttctg ttttcacgat cgggaatactc aaatatatcc aaacatcttt ttaaaacttt 180  
 gatctatagc tccagaaaag ttatgttttt taatagtcac tctactctaa tcaggcctag 240  
 c 241

&lt;210&gt; 375

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 375

aggtacaaag gaccagttac cctacotgaa gtctgttgtt gagatggcag agaacgggtgt 60  
 gaagacacac acccctgttg ccacgaccag tggctctgccc atccatccaga agctagagcc 120  
 gcaatttgca gttgccaata cctatgcctg taaggggcta gacaggattg aggagagact 180  
 ggcattcttg aatcagccat caactcagat tgttgccaat gccaaaggcg ctgtgactgg 240  
 g 241

&lt;210&gt; 376

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 376

ggtacatttt atttcccttc tttcagaatg ctaataaaaa acttttgttt ataacttaaaa 60  
 aaaccataaa tcagacaaaac aaaagaaaag attccaacat cacttctgtg atgagaaaag 120  
 aggcaatgga attcaacata agcaaaagaaa actctacctg gaggaagaa atcgatcagg 180  
 gaaagaaaac cctgggggtg ctgcacagact gcaggccatg cgaggaggag cctcttagag 240  
 g 241

&lt;210&gt; 377

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 121... (241)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 377

tctctcttgc ccagggtgatt caaagactag aactttctta tccctctctt agagttttga 60  
 ctctgggctc taggtttaag atgatgagcc cgtgcacacg gtcttctgc actttggttg 120  
 aagctctcca gggtaggttt cctatttgaa acagtggaat catgtttcca gtgataaagt 180  
 ttaatgacct caaccttttt ttttttttcc tcatctgcca tttgtgtgtc ttanatgggt 240  
 t 241

&lt;210&gt; 378

&lt;211&gt; 241

&lt;212&gt; DNA

<213> Homo sapiens

<400> 378

```

aggtcagcga tcaggttcott tatgggcagc tgctgggcag cccacacaagc ccaggggcag 60
ggactatct ccgctgggac tcactcagc cctctcttggc gggcttcacc cccagcccca 120
agtcctatga gaactctggg tcccaggcca gccccttggg gaccttggta accccagccc 180
cnnccagga ggacgaactgt gtctttgggc cactgtcaca cttccccctc ctgcagggga 240
c                                         241

```

<210> 379

<211> 241

<212> DNA

<213> Homo sapiens

<400> 379

```

tcaggagcaa tcgaagagggc atatccacac ttggggctggc tatagggctg gaaaatgctg 60
aagatgactg ctttcactga ggccaaggat tgtaatatcg ccagctttgt aaagccatta 120
aagcagaagt ttttcactg atctctcttc taagaaacac cctcactccc atgtgcctta 180
cagaggcccc ctgggtttctg ctgcatttgt tttggccaat cctctgatga tgaagatggt 240
c                                         241

```

<210> 380

<211> 241

<212> DNA

<213> Homo sapiens

<210>

<211> misc\_feature

<212> (1)...(241)

<213> n = A,T,C or G

<400> 380

```

acgtacacgc agaccgacat gggnnntcca ggcntnagat caaactcaaa acctgnaatg 60
atctccactc cctttttctt aagctccaggg aaatattcca agtagaagtc canaaaagtc 120
tcggctcana tgattcngaa ttgcaattca tgcacatagg ccttgaaaaa actgtcaaac 180
tgannctgat caccacccaa gtgggcctnn tatgacacaa agcagaaaac ttctctctan 240
g                                         241

```

<210> 381

<211> 241

<212> DNA

<213> Homo sapiens

<400> 381

```

aggtacacac taatggatta gcttttgggt ttaactgaat atatgaagaa attgggtctg 60
ctcaaaagaa gggatattca tatggcttct agttcacttg ttgtatttc atcttgattt 120
cttctcttgg aaaataaagg attctatttg gttcagattt ctccagatttg aaaaaggctc 180
tatctccgat gtagtaaaatt atttcctttc agtttctgaa agcaggattt gactctgaaa 240
g                                         241

```

<210> 382

<211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 382  
 gtaattgatat aatcaatacgt tctgatagac aggtttatcc actatattga ccttacctct 60  
 aaaaggattg tcataattta tatgttttat gtttacacct atgatacagt tgccttggaa 120  
 cacaaaattt ttcattgtta ttaaaaaaag aagagttgtg cagacagaag aaatcaaatc 180  
 taagaaaatc acaggagtag ataaatactc tagaattcat atacccttgg aagatgggtt 240  
 t 241

<210> 383  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 383  
 ggcaggtaaa aagctctctc tttgtttttt ataattttta agcaataaac acattttaact 60  
 gtaatttaagt ctgtgcaaat aatccttcag aagaaatata caagattctg ttgtcagagg 120  
 tcaatttctc tctcaaaagt gattaaatga gtttctcttc agataaagtg ctctgttcca 180  
 gcagaactca aaaggccttc aagctgttca gtaagtgtag ttcagataag actcgtcat 240  
 a 241

<210> 384  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 384  
 ggtacacaaa atacacttgc aagcttgctt acagagacct gttaaacaaa gaacagacag 60  
 attctataaa atcagttata tcaacatata aaggagtggt attttcagtt tgttttttta 120  
 agtcaatctg accaaaactga cttaaataaga aggcacaaaca aaaaatttat ctctcttgac 180  
 aagctctctg gagtaaacaa aatgctttta ggtctctggt gaatgggggt gcaaggatga 240  
 a 241

<210> 385  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 385  
 gtaaggtata caatggctct gtcctctctg ttgaatcggt acaccaagag gtctcagttc 60  
 tggctcttga cccacacagt agctgttttag atgactcttc acatcttctt gatcaactgg 120  
 aagtcacccc aatcctcagt gaagactctt tggagccttt caactctctg gcaccaggta 180  
 ggtttggagg ctatgtccct ttaacttata catgcagagt agccaaaact tacttgaaag 240  
 a 241

<210> 386  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 385

```

aggtacattt ttctcttcca aagggaacagt ttctaaagtt ttctgggggg aaaaaaaact 60
tactatcaaat ttaaaacata tgttaaaatg catattagtt gtgttacacc aaaaaattgc 120
ctcagctgat ctacacaagt ttcaaaagtc ttaatgcttg atataaattt actcaacatt 180
aaattatctt aaattattaa ttaaaaaaaaa aactttctaa gggaaaaata aacaaatgta 240
g                                     241

```

&lt;210&gt; 387

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 387

```

aaccacattg ccgtgttggg gtatctccac tctccctctg tgaggggcgc tccacccgac 60
cagtcgaact ttgttaaatg gagttaatgt gtttccactc cctttttccc cttctctggc 120
ttcttggtcca gaatttcttg gcttccgggc atatctctgg agtctctgac ttccaggaaa 180
ggcaatttgt cctccgacac ctttaagacc cggaggacct attggacctg gaaatctctg 240
c                                     241

```

&lt;210&gt; 388

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 388

```

cttgtaactt tgtccacagc agagacattg agtataccat tggcatcaat gtcaaaaagt 60
aattcaactt gaggaacacc tgggggtgca ggaggtatgc ctgtgagttc aaacttgcca 120
aggaggttgt taccctttgt catggcacgc tggccttcac aaacttgaat aagtacacca 180
ggctggctgt cagaataggt agtgaaggtc tgtgtctgtt tggtaggaat ggtgggtatta 240
c                                     241

```

&lt;210&gt; 389

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(241)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 389

```

tacctnigtg agggagacac ttgtctttatg tgccttaintc ttnaagatca atacatggaa 60
gcatgtgaaa atcggaacac caactatgtg tctcactgca tctaaagtga gcagccacag 120
ctgtgagagt ttccaaagca gaaagatgct gatgtgacct ctggaattca gacataactg 180
gntatgygtc agaagtgttt taacttaaaaa gcaaacacac cccaggaaat actgaatagg 240
a                                     241

```

&lt;210&gt; 390

&lt;211&gt; 241

<212> DNA

<213> Homo sapiens

<400> 390

```
gcaggtacat ccacatgttc ctccaaatga cgtttggggg cctgcttgcc aacattcttt 60
atgccaagct gttcaggtgt catcttatct tctttctcta cagccttatt gtaattcttg 120
gttaatttca acatctcttt taccactgat tcattgggtt tacaatgttc actgtagtc 180
tgaagtgtca aaccttccat ccaactcttc ttatgcaaat ttagcaacat cttctgttcc 240
a 241
```

<210> 391

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 391

```
cnggcacaaan cctnctgttt tnatnttttt tttttctctn ccttctcttn tttttantnt 60
caaaanaaaaa nnnctannnaa annggggttt aaatnctntn nncagancat taaaactgaa 120
ggggaaaaaaa aaacacaaaaa cgagcttntt anttnaentg ggnttggggn gntgctgatn 180
tnaagaagca anncttanan cnggcnnaat gaangagngn tcannttgaa atttnnacc 240
c 241
```

<210> 392

<211> 241

<212> DNA

<213> Homo sapiens

<400> 392

```
gaggtacaaat atggtatcct tagattaata ttttgctgct gataacagct gtttttctta 60
cattagaaat aagatgcac acaggaact acattccaga tttaaagaaa tgaaaggata 120
ccatttagct gtataacaga ttattgttca tacttgtaaa gcattcttatg tcattgagaa 180
tataaagaa agtgcttag aagacagtga aaggtaagct ctagcttaat gtctatgatt 240
t 241
```

<210> 393

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 393

```
ggcaggtaca taagcataat cagttatgga cagcttcttg tataaattgc tattcancaa 60
```



```

tacataaaact gactnaaaga tttatgotta caggtagaca ttcaatttac caataaaaaca 120
gcatgttctg aaaatatggg cacattttta aacatattaa gacagttctg ttaaccataa 140
tagtccaca gtatgaactga gtaataaaga tctacttcaa aagnaaaaaa aaaattaatc 240
a 241

```

```

<210> 394
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 394
aggtacagaa gtagtagatg gctgcaacaa cctctctctt accccagccc agaaaatatt 60
tttggccccc cccaggatcc gggacaaaaa taaagagcaa gcaggccccc ttactgagg 120
tgtgggtag ggtccagtgc cacattactg tgctttgaga aagaggaagg ggatttggtt 180
ggcactttta aaatagagga gtaagcagga ctggagaggg cagagaagat accaaaattg 240
g 241

```

```

<210> 395
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 11... (241)
<223> n = A,T,C or G

```

```

<400> 395
nygngnggnc caanatatga aatntnanta tnatacatga tnaaaagott tatntatttt 60
agttagtcat taagttttata ctgtgaataa ggattaatto ccagatgacc atctacagtt 120
attaccanac agaggggtata cagggatgga togattacaa gaatataaaa cttatttttc 180
tttctgtacc cacatttctt tgcattgtga atttcagggc cctctcaaga agtggagttc 240
a 241

```

```

<210> 396
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 11... (241)
<223> n = A,T,C or G

```

```

<400> 396
gaggtacacc tgaatgaca atgttnggag cccccctgtg gtcategacg cctccactgc 60
cattgatgca ccattcaacc ttggtttctt ggcacacaca cccaattctt tgctgggtac 120
atggcagccg ccaggtgaca ggattacggg ctacatcact aagtatgaga agcctggggt 180
tctccacaga gaagtgggtc ctgggccccg ccttggtgtc acagaggcta ctattactgg 240
c 241

```

<210> 337  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 337  
 ggcaggtacc agcaggggga tgtgtttctg ggaattgtg gctctggaag ctccacggtt 60  
 accagactg tggaaaaatat atctgtgan gatagaaac ctgcccagag gctgtttctg 120  
 ctccattga gctctcttc atgtggaga gctgactgtg ggggttttag agctacatt 180  
 ttgaaaaag ttacctcaaa gttctgcatt gagctgagc actggaaaag agataaata 240  
 a 241

<210> 338  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 338  
 gungtgacca ngacatcac ttacaentgg aaagcganga nttgaatggt gontacaang 60  
 ccttaccctt tggccannac ctgaaagggc ctcttgattg ggacagcgtt gggaaggaca 120  
 gttatgaaac nantcanctg gatgaacana gtgatgaaac ctacannac angcnntcna 180  
 ctttatataa naggaaaagt aatgatgaga gcaatgatca ctccgatgtt attgatagtc 240  
 a 241

<210> 339  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 339  
 cagagtggga tgggagtggg agggccaac tgatcacgaa ggggggtgaag ggtagggccc 60  
 ctgagtagcc caccctttac cctgaacgaag gcaatcttc ttgggaatgt ctcttctctc 120  
 ttcagctctg gttctgcctc agctacgaac tgggaaggag tgaggaacat cccaacggca 180  
 atgagagtat ccagtgact ccaaacagga angaatcagt gttcanaaag tcagggcctt 240  
 t 241

<210> 400  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 400  
 ggcactcttgg ctcttttttagc tagagtgtat gtgaaaataa agaaatacat cattgtatto 60  
 aaaaacatgt gtcttccattt ataaacttttt gtttaaaaaa tttttagttc aagtttagtt 120  
 ccttgacattt atctcttgaa tgcagttaag gctgggcaga aattctactc atgtgacatc 180  
 tgcacacagt ctacttttgaa gctttttcttc taatgggcga tgtttgtcct taccaggatt 240  
 t 241

<210> 401  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (241)  
 <223> n = A,T,C or G

<400> 401  
 nnnaggtaac ttgttagagca gagagagggc ttgggttcctc ctttcttcaa tcaagtggag 60  
 atgtgttacc acctggggatt tcatctgggc cgcctttctt gggtaacag ccaacacatg 120  
 ctgttaacga cggatgggtat gtaagcgatc tttgttctca gcaaggacat aacgcogtaa 180  
 ggcctggaga atcgcatgag gcgctggggg gtcagaactg aaggcagcca ggtagtcttc 240  
 c 241

<210> 402  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (241)  
 <223> n = A,T,C or G

<400> 402  
 ggcgggttcca aaaaaaacct aaaaanngtt tcaggaatgt agagaaatat ccaactttaa 60  
 nagggaaaaa gtgcacacata attactgttg cactgcagtc attcttgcaa ttcccatggt 120  
 ccttaaaataa gtatcttgtc agataacaca caatataaag agcaattatg aaaaacagac 180  
 attaacat at acttctaaag tcttattggg aataacctgt ttggccattg ggataaccaa 240  
 t 241

<210> 403  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 403

```

tgggtttaac taccogctcc gagaacgggat tgatgaacgag tccatgagac ccatttttcaa 60
ggcgggtccatg tccaaagtaa tggagatggt ccagccatagt ggggtgggtct tacagtgtgg 120
ctccagactcc ctatctgggg atcgggttagg ttgcttccat ctaactatca aaggacacgc 180
caagtgggtg gaatttgtca agagctttta cctgcccata ctgatgtctg gaggcgggtg 240
t                                     241

```

<210> 404

<211> 241

<212> DNA

<213> Homo sapiens

<400> 404

```

caggtactgc aacccataaa atactgtttc ctcatatttc accttcctta atttggagtc 60
ttctgtcttc ttttcaaggc attcaaagta ggaataaact ttgcttggtg tgggtggata 120
ttgtttatag tgagtaacct tctaggagtc ggtggccagg aggatgttga actcggcttc 180
tggcgcagga tccatctcgg gcgggaggac aaggggcctg ccgcccgcga gctccctgac 240
t                                     241

```

<210> 405

<211> 246

<212> DNA

<213> Homo sapiens

<400> 405

```

ctctgggctg gggagtgag agaaagaagt tgcagggttc acaggaaatc ccagagcctg 60
aggtctcttc ccagatttga gaactctaga ctctgcata ctatcttga gtctatattc 120
ctctgggctg taagaagatg aggaatgtaa taggtctgct ccagagcctc catgccttct 180
gtacaaactt tgttctcttg tgcctcttc ccaggtctct gctgcctctt attggagaat 240
gtgattctca agacaatcaa tccaca                                     246

```

<210> 406

<211> 231

<212> DNA

<213> Homo sapiens

<400> 406

```

ttgtgttga accattcttc ggcactcttg cggttctctt ctgcctcttc ctcatactgg 60
tcaagatctt cgttcagaat ggggtccagg tccacgccag gtgcagcttc catctccaca 120
ttgcctcttc caccacactg gcctctcagg gcattcctat cctctctgtg gttcttcttc 180
aggtaggcca gctctctctt caggtctctc atctgcctct ccaggctcag t                                     231

```

<210> 407

<211> 246

<212> DNA

<213> Homo sapiens

&lt;400&gt; 407

```

cagcatcatt gtttataatc agaaactctg gtccctctgt ctgggtggcac ttagagtctt 60
ttgtgcata atgcagcagt atggagggag gatcttatgg agaaatgggg atagtcttca 120
tgacctaaaa taaataaagg aaaactaagc tgcattgtgg gttttgaaaa gggtattata 180
ctcttaaca attctttttt tcagggactt ttctagctgt atgactgtta cttgaccttc 240
tttgaaaagc attccccaaa tgcctc 256

```

&lt;210&gt; 408

&lt;211&gt; 261

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 408

```

ctggttcagg gagcttcggg acaactgatt ccgatcaaaa gaatcatcat ctttaccttg 60
aattttcagg gaattactga aattctctct cagaagatag ggcacagcca ttgccttggc 120
cttacttgaa gggctctgat ttgggtcttc tggctctctg ccaagtttcc cagccactcg 180
agggagtaac atctggaggg caaagaagag aattatgtta ttgttgaacc tccagccaca 240
gggaaggaca tgggcctggg t 251

```

&lt;210&gt; 409

&lt;211&gt; 266

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 409

```

gttgacagta atacactgcc acatcttcag cctgcaggct gctgatgggt agagtgaat 60
ctgttcagga cctgttgcca ctgaatcggg cagggatccc ggattccggg gtatagtccc 120
agtaaatgag cagcttagga ggtctgcttg gttctgtctg gtaccaagct aagtagttct 180
tattgttggg gctgtctaaa acactctggc tggctctgca gttgatgggt gccctctgcg 240
cagagacac agtcaggagg tctgga 256

```

&lt;210&gt; 410

&lt;211&gt; 181

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(241)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 410

```

ctaaaggtnc ttttgncca aaanacattt ttttctcttg atattttctt tttttctt 60
tttngggatg gggacttggt aattttctta aaggggnnnn ttannnnngg aagaaaacn 120
ngntccgggt ccagccaaac cngtngctna ctttccacct ttttccacc tccctcnggt 180
t 181

```

&lt;210&gt; 411

&lt;211&gt; 161

&lt;212&gt; DNA

<213> Homo sapiens

<400> 411

```
gacctggag taattgggag atgtggacac ctctgatgag gaaagcatcc gggctcacgt 60
gatggcctcc caccattcca aggggagagg cggggcgctct tctgagagtc agggctctagg 120
ctgtggagtg cgtacggagg cggatgtaga ggaggaggcc ctgaggagga agctggagga 180
gttgggacagc aaggtcagtg accaggagac ctgtctcgag gaggaggaag ccaaggacga 240
ataggcagag ccaaacaggg a 261
```

<210> 412

<211> 171

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 412

```
ntttttcttt tacaattcag ttttcaacaa ctgagagct ttcttcatgt tgncaagcaa 60
cagagctgta tctgcaggnt cgttaagcata nagaacgttt gaatatcttc cagngatata 120
ggtttcaact gncagagatg ggtcaacaaa cataatcttg gggacatact g 171
```

<210> 413

<211> 266

<212> DNA

<213> Homo sapiens

<400> 413

```
tnaggaccaa agatagcatc aactgtatct gaaggaaatg tagtttgccc attttatgac 60
attttcataa agtaactgtaa ttctttcatt gaggggctat gtgatggaga cagactaact 120
catttcgtta ttggtattaa aattattttg ggtctctgtt caaatgagtt tggagaatgc 180
ttgactctgt ggtctgtgta aatgtgtata tatatatacc tgaatacagg aacatcggag 240
actatttcac tctcacacac ttctgt 266
```

<210> 414

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 414

```
tttgcacataa ttgagtgaac agtggcagat ggcattaact ctgctcggct tcaagctggc 60
ttcatgacaa ctcaaggcct cccacacctg ttgtcaagt tgtcctcaag tccaagcaat 120
ggaatccatg tgtttgcaaa aaaagtgtgc tanttttaag gnttttcgta taagaatnaa 180
tganacaatt ttctaccaa aggangaaca aaaggataaa tataatacaa aatatatgta 240
```

tatgggttggt tgacaaatta tataac

266

<210> 415

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 415

```

attatattca gtattattaat tgttgcgggg aagctanagt aagtagttcg ccagttaata 60
gtttgggaaa cgttggttgc attgctacag gcctcgttgt gtnacgctcg tcgattggta 120
tgggttcatt cagcttcgggt tcccaacgat caaggcgagt tacatgaccc cccatgttgt 180
gtaaaaaagg ggttagctcc ttcgggtccc cgatcgttgt canaagtaag ttggccggag 240
tgttatccat catgggttatg gcagca

```

266

<210> 416

<211> 878

<212> DNA

<213> Homo sapiens

<400> 416

```

ctcgaagata gcatgggtg taccacttaa ctatgattct attccaactg ttcagaatca 60
tactacaaaa tgaattgtac acagtagtct acaacgactc ccaagagagg aaaaaaaaaa 120
aaaaagacgc ccaaaaattc actcaacttt tgagacagca atggcaatag gcagcagaga 180
agctatgctg caactgaggg cacatatcat tgaagatgtc acaggagtct aagagacagg 240
ctggtaaaaa tctcatacta agcaaacagt agtatctcat accaagcaaa accaagtagt 300
attcgtctcag cctgcggcta acagatctca caatcaccaa ctgtgcttta ggactgtcac 360
caaaagtaca ttgggtgcta accaggtggc atctatgata aacgtcgccc ctcttattta 420
aaaaaggggt ctgaaggagg tgttctccaa gcaacaagga gactgcttca gtacaagact 480
ttgcaccttg aattcaattg catcaagtgt ggatagcaaa ataagtatct tactattgaa 540
atatgtgttc agctaaagat tttaaccaac agcagaacaa aagtgagggg gagagggatg 600
ggcgaagtga gggatggggg agaaaaaaaa atcacaggat taccaccaaa gcttctgttt 660
aaaagggctc ccttcactat ccaggaaggg aagtgggaagg agaaattaac caattcctgc 720
cacagcagcc ctttttgggt gcttcacaaa tagatacttt atggagtggc acagccaacc 780
ctatctgtga cctgcccctg ggataaacac agccaagcag gttaatttag atcaaaagaca 840
caaggggcta tttcctcctt tcataacaaa gcagacct

```

878

<210> 417

<211> 814

<212> DNA

<213> Homo sapiens

<400> 417

```

ttctgacttc tagaagacta aggtcgggtct gcttttgctt gtttgcacac ctttgggtga 60
taccacagaga acctggggac ttgttgcctg atgcccaccc ctgctagtca ttctctcatt 120
cacccagcgg gaggtgggat gtgagacagc ccacattgga aaatccagaa aacggggaac 180
agggattttg ccttcacaat tctactcccc agatctcttc ccttggacac aggagacaca 240

```

```

caggggagga cccaaagatc tggggaaaagg aggtcctgag aaccttgagg tacccttaga 300
tctctttcta cccactttcc tatggaggat tccaagtcac cactttcttc accggcttct 350
accagggctc aggaactaagg cgtttctctc atagcctcaa ctttttgga atcttccctt 400
aatcaccctt gctcttcttg ggtgcttggg agatggactg gcagagacct ctctgttgcg 450
ttctgtgctt tgatgctagg aatgctgctt agtt 514

```

&lt;210&gt; 418

&lt;211&gt; 352

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 418

```

ctggacccagc gattaccagc ggcattcaaa tactgtgtga ctaaggattt tgratgctcc 60
ctagtagaac cagaatcaga caggcatgag ctagtcaaca gcaagtcttc gttggattcg 120
agttaggtca ggatctgctg aaggtcggag gagttagctc ccgcaatcaa gagcctgtct 180
tctggaagcc ctctggtgata ttttgcacac cagccaagaa tgaggatgca tcttcagat 240
tctctatctc ccgaacctgg aacccatcca cgttagcttg cagccaaaaa tccagagcat 300
ctctcaccctt ggtggaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 352

```

&lt;210&gt; 419

&lt;211&gt; 344

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 419

```

ctggacccagc taaccccttc taagtggctg gatggcaca cctctcccat tgacaagctg 60
ggttaagtcg ataggctgac taggatcaac aggaaccaaa ccaataagat actgcagctc 120
artgagatcc aaaggcttat actgggctct gaaactatgt ccttcgttaa accgtactt 180
tgaggattgg atgtaaaaat gagtcctggc tccctcaag cccaaggcgg gcggggttcn 240
ctcttgcttc tctctcttat ggctctctgc acatctctca cctctctctc gacctctagg 300
tctctctctc ggctctcttg agcggggatt cggcttcaag tctg 344

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&lt;210&gt; 420

&lt;211&gt; 335

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 420

```

cyaaaagtcag cgttaagggg ctccaggtgaa ccctgatgat gaacttctgt cgactttgaa 60
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caggttcttc aaagatccaa aggagggaag gggatctgga aacactgtgt atcatctgag 180
anacacgtgt cctcatgctc ttaaatgctt acttcaaaag caccataaac tgcctctcat 240
tctggtcaga agagattctt acaaaagcac tcagaattct ggaggcagat gttattttga 300
tctggtggag tgggtctgtg gactcgggca ggtgtgaaag ggttaaaatc cactcttgaa 360
tctgtctctc gctctctggg acccagccaa tctttagacc atctctctga ctgaaaattc 420
tctctctgag ctgagccttg caccaccacc tctctctctc taactatgaa ttgatggcaa 480
actcactcca aaacaaaccg ttaagtcttc accagagagt agtcaagcac ctccagaaag 540
aaacggggtt tttgttcaca tagcaggaag tgaactcttg ggttggtatt catcttgaa 600
acacaggttag attggcagaa aaacgggaac atgtaggtac cgggatgttg gtgcatgttc 660
attacttttg gataggtctt ctccgtcttt cctcaaatga tagttgagcc agttttccag 720
tggcaattct gagtgaattg cgtttgtctt atggtgtggt caagggagct tcagaactac 780

```



```

ggaaaaacttt taactgaaaca gccaagcaga gtataccggc atgagagggga agatgaacac 840
tcacctatgt accactctttt gacaataaat atagtatttc tcaaaaaaaaa aaaaaaaaaa 900
agtaaaaaaaa ctgaaatcgc aagtcacaaa atcca                                935

```

```

<210> 421
<211> 745
<212> DNA
<213> Homo sapiens

```

```

<400> 421
ggcttcgagg ggcggccggg gcaggctccta gatgtcattt gggacccttc acaaccattt 60
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ggctaaacac agtcctctgc ttggctctta ttctgaatcc ttttctttca ccattggggtg 180
ctcgaagggt ggctgatgca tatggtaaaa tggcaccagc tctaaagcag ctacaattag 240
gagtggatgt gttctgtagc atctatctta aataagccta ttttatcttc tggccctgca 300
actccgttat ctgctgcttg taactggtgc tgaacttttc tgaactctat tgaccatatt 360
ccacgacuat ggttgctcct cattaactga tcttaactta catgtctagt ctgtgtggtt 420
ggtggtgaat aggtctcttc ttacatgggt ctgcacagcc agctaattaa tggcgcacgt 480
ggaactctag caagcggggt cactggaaga gactgaacct ggcattggaat tcttgaagat 540
gtctgggggt tttctcttc ttaactgaaa gtaaacattg tctgaaaagt tttgttagaa 600
ctactgggga acccacaacat cagtagattt ggaagtgatt caaagctaaa cttttctctt 660
ggctctcttc gcgtctctat tggctgcaag tgaataacta ggatgtccaa gatgccagtt 720
tttgctcttc tgttagttgt cagac                                745

```

```

<210> 422
<211> 764
<212> DNA
<213> Homo sapiens

```

```

<400> 422
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ggctgacagg ccagttctca tggcgccttc ggtggggcat ctgttaacag aggagaaagt 180
ctgggtgggg gcagcagctt tggctcgagt gctacaaaag ccaatgcttg gtgttagaaa 240
ctctatcttt attaaaactt agaaaagcag cagccatggt cagtcagggt catgctgctt 300
ctctgctcaa gtgcttgag gaggcggctg ccaagctccc cttctctcac ctggcacact 360
gtggtctgca caaggctttg tcaaccaaa agagctccc ccttttgatt gctgttagac 420
tttggagcca agaaaacact tgtgtgactc cacacacact tcagggtggt tigtgttcaa 480
agtcattgat gcaacttgaa aggaacacgt ttaatgggtg aaatgaacta ccatttataa 540
ctctctgttt tttattgaga aaatgattca cgaattccaa atcagattgc caggaagaaa 600
tagtaacgta cggtaactgg cctgtcgatt ctcccagccc ttgcagtcct ctaggtgaga 660
gtaaaagctt tttacttcgg cctctggcag ggaactctgg gttatgggag aaaccagaga 720
ctgtaactag gaaaatatga actacagtag aagccctggg gcag                                764

```

```

<210> 423
<211> 1041
<212> DNA
<213> Homo sapiens

```

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<400> 423
ctcagagagg ttgaaagatt tgcctaogaa agggacagtg atgaagctaa gctctagatc 60

```

```

caggatgtct gaattcaaat tgaaaactccc aaagtaatga gtttgggaagg gtgggggtgtg 120
gcctttccag gatgggggtc tttctgtgtc ccaggcgata gtgaaacccc tgtctgcacc 140
tgggtggggg tgttggtttc ccaaaaggtt tttttttagg tccgtcgtgtg tcttgtggat 240
taggcattat tatctttact ttgtctccaa ataactctga gaatggagag agtagtgacc 300
agctcagggc cacagtgcga tgaggacccat cttctccact cttctaaatgc aggaagaaac 360
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cggcaacctg cactgttca tcaatgccta caacaggtat tgggatgtag tccagccaca 480
tcattgctat ttatgaggtg tttctgttag atccgaaatg tgggacagat gagagggaga 540
gtataaaatg agcgggaagag gcaggtctct agtttgagca aatagattaa taggcacagt 600
gtcccccagg aaggacacct gcctgttaag tggttccctg cactcagctc gccttgcagg 660
gatctgaaca aacctccag aacctcgggg gtgcagagct gagagggacg cagtccaca 720
ctcagagggg tgagagtaaa tatgtgtgtc tgtgtgtgac cttcacgaaa ggccaaatgt 780
aagaagagct aagtgcagag gcagcacaag actcctggag gcgggggata atccaggcag 840
gccttcggga gtttgtcatt ccaaggataa ggaggacctg aacatggcct ttgcctaagg 900
cgtggccctc tcaaacagca ctaggtgtct atctggagct cagctagggg aggagacago 960
tcagggccat tgggtgtcagc cagagactct gtaactctcc agggagctcg ctcaacctgc 1020
tgagctcgtc ctgcacagca c
1041

```

&lt;210&gt; 424

&lt;211&gt; 1288

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 424

```

ctaagaactg agacttctga cacaaggcca accacttaag attagccag ggttgtagct 60
ggaagaccca caacccaagg atgggaaggc cctgtccaaa agcctacctc gatggataga 120
ggaacccaagc gaaaaaggta tctcaagact aaaggccgga atctggaggt ccctgacctc 180
gaaacccagg aagatagaaag cctgaagact tggggaaatc ccaagatgag aacctcaaat 240
ctaacctctt tctcattgtt cacactctct actcttagat attccagtc cctctgtcta 300
tcttcaagcc tgatctcttt gagatgtact tttgatgtt gcctggtacc tttagattga 360
cagtatctag cctgggcccag tcttgagcca gcttcaaatc acagctttta cctatttgtt 420
aggctatagt gttttgtaaa cttctgttcc tattcacatc tctccactc gagagagaca 480
cctaaaatcca gtcagtatct aattctggct tggtaacct cctcaggag cagacattca 540
tctagggtgat actgtatttc agtctctctc ttgaccccca gaa-gccctag actgagaaga 600
tcaaatggct aggttgttgg ggaaaaaaaa gtgcacaggt cctcagagaa aaatgtgaag 660
a gatgtctca ggccaatgag aagaattaga caagaaatc acagatgtgc cagactcttg 720
agaagcacct gccagcaaca gcttcctctc ttgagcttag tccatccctc atgaaaaatg 780
attgacacct gctgggcagc agggagggat atgacaaact aattccaaa cccagcttc 840
attgtatcca gccttggggg aacctctaca cctgagccac aattgggttt gaagtgcatt 900
tacaagtttc tggcatcact acctctatg attaaacaag aataagagaa cactttatca 960
tctatctgtt tattcacata aatgaagtgg tgatgaataa atctgctttt atgcagacac 1020
agggaattaa gtgggttctg cattgtcctt ccacctcaaa gatattttat tccaaaagct 1080
a gataaatg gaagactctt gaactgtga atcgatgtga aatgcagaat ctcttttgag 1140
t tctgtgtg ttgggaagatt gaaaaatatt gtcagacatg ggtgaccacc agaaagtaat 1200
ctaagcctat ctgatgtca caattgaaac aaactgggga gttggttctt attgtaaaat 1260
aaatatctct gttttgaaaa aaaaaaac
1288

```

&lt;210&gt; 425

&lt;211&gt; 446

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 425

```

ccactttaaag ggtgcctctg ccaactgggtg gaatcatcgc caattccagc accacgccaa 60
gctaacttcc ttccacaagg atcccgatgt gaacatgctg caagtgtttg ttctggggga 120
atgggagacc atcgagtaag gcaagaagaa gctgaaatac ctgcccacaa atcaccagca 180
cgaataactcc ttccctgattg ggccggccgt gctcatcccc atgtatttcc agtaccagat 240
catcatgacc atgatcgtcc ataaagaactg ggtggacctg gctggggccg tcagctacta 300
catccgggtcc ttcatcactt acatcccttc ctacggcacc ctggggagcc tcttttctct 360
caactccacc aggttctctg agagccactg gttctgtgtg gtccacacaga tgaatcacat 420
cgtcatgtag actgaccagg aggaac 446

```

&lt;210&gt; 426

&lt;211&gt; 874

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 426

```

tttttttttt tttttttttt ttttttcaat taaagatttg atttattcaa gtatgtgaaa 60
aatctctaca atggaaaactt ttattaaatg ctgcctgtac tgtgctatgg accacgcaca 120
ttcagccctg ctgtttcaga agacttgaaa tgcctatgat agtttaaaaa cctcacaccc 180
gctggagcat cggaggaagac aatttaatgt ttcatctgaa tccagaggtg catcaaatca 240
atcgacagct ccaacttggca aataatagct gttacttgat ggtatccaag aagaaatggt 300
tggtagtgga taaattcaga aatgcttccc caaagggtgg tggtttttaa aaagttttca 360
ggtcacaucc ctgtcagaaa acatcgatgc ccaacacact gattcgggtt ccaggaaaac 420
cgggtctctcc aagtctccaa gggctggggt tcccacaaga tcaagtctct gtgctgtaat 480
ctagaggttc cttgggaact gatagggagc acctgggagc tgtacaccat cagtcataat 540
ggtcggtagt gtaaaaagatg atccaaatga cctgagatgc tcttgaggag tgggtgcaca 600
gacccaggag tgcacatgta gggtctgttc ttgtcttag tcatcacaca cacacacaga 660
tccagagtag caatggcttc tcttgtaaca gjaaaaaagc ctcttgctat tcccaagaac 720
ctctgtaatg gcaaaaactc ccaaatgaca ccaggacca cagcaatgat ccttgaggaa 780
cagtagatca catctaaaaa tccatcctta tcttcccagg ccggtctgct ccgcagaccc 840
tcaactcaga cggagacttc gagggccctg ttgg 874

```

&lt;210&gt; 427

&lt;211&gt; 638

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 427

```

acttgtaatt agcatttggc gaaagcttga aggaagataa ataacactaa actatgctat 60
tcgatttttc ttttgaaaag agtaaggctt acctgttaca ttttcaagtt aattcatgta 120
aaaaatgata gtgattttga tgtaatctat ctcttgcttg aattcgctat tcaaaaggca 180
ataatttaag ttgctatcag ctgatattag tagctctgca acctgtatag agttaataaa 240
tcttatgggc gggctgcacaa tactgtctg aattctattg tatagtatct atgaatgaat 300
tctatggaaat agtatattgt gtagctcaat tctgcagag attaaatgac atcataatac 360
tggatgaaaa ctgtcataga attctgatta aatagtgggt ctgtttcaca tgtgcagttc 420
gaagtattta aataacacac ccttccacag tttattttct tctcaagctt tttcaagatc 480
tagcatgtgg attttaaaag atttgccctc attaacaaga ataacattta agggagattg 540
tttcaaaata tttttgcaa ttgagataag gacagaaaga ttgagaaaca ttgtatattt 600
tgcaaaaaaa agatgtttgt agtgttttca gagagagt 638

```

<210> 428  
 <211> 535  
 <212> DNA  
 <213> Homo sapiens

<400> 428  
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 tgtatggagg tccctgcagt cagagtgtaa ggtctgtatt tgcctgtaat tggatatctt 120  
 atcttgcgaag taagggaagg atggctcattt ccttgggtgga tggctcgagga acagctttct 180  
 anggtagaaa actctctctat gcagtgtatc gaaagctggg tgttcattgaa gctgaagacc 240  
 agattacaga tgtcagaaaa ttcatagaaa tgggtttcat tgatgaaaaa agaataagca 300  
 tctggggctg gtcctatgga ggatacgtct catcattggc ccttgcctct ggaactggct 360  
 tcttcaaatg tgggtatagca gtggctccag tctccagctg ggaatattac ggcctctgtt 420  
 aacagagagc attcatgggt cctcccaaaa aggatgataa tcttgagcac tataagaatt 480  
 caactgtgat ggcaagagca gaatatctca gaaatgtaga ctatctctc atcca 535

<210> 429  
 <211> 675  
 <212> DNA  
 <213> Homo sapiens

<400> 429  
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 ttagatcgaa gcacaaagca aagccactga tctctctctat gtgacaggc tttacaaaa 120  
 aatataatag ttttcaataa ataattgctta attttacaa cttgatacag caatgtcata 180  
 caccgtctca acacactaca cctctgcctg tagatagctt acgagaagac gaaactctgc 240  
 catgcattct cttctccctt tagtgcctat aaacctctca tctccagcg cactgcctca 300  
 ggtacgtctt cctctctctt gttctcagc aatagggctt ggcctggcat gcaaacctct 360  
 aaaaaggctt cctccacaaa ccaatccagc tctacacaaa aagggctctt cagctttctt 420  
 gctcccaaac ctggagtggt taagaaagta agttctcatg ggctctggaa aatacacact 480  
 tgttaacagt gcatgctga aaactgctt aaaaacacag gtggctctgc cctgggtggc 540  
 gtcccggaagc attatgggat gcataaaca ctaggagctt caaacgggaa aaaataggc 600  
 tctgtcttaa aacagtcact tcaaaaaagg tgtcacagaa caaatgaaa agactcttaa 660  
 accacacaca tatgt 675

<210> 430  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 430  
 acctctgcga gaagtcacgc gagaggact cagagttagc cataggctac tccgggagtg 60  
 catcagaaga ttcactctca tggagggaag aggtctcaaa cgtgaatggg taggagaagt 120  
 gagccacctt gtcattgcgc agggactctg tggctcaggt ctgctctact cctgagagct 180  
 gctgggaatg tgggtctgac cagttagcag tggccaattt cacaagaag tggacgtaga 240  
 gattgtcata ctcatagctt tgggtcgaaa cgacctctct attacaaaag agcgggaggg 300  
 cactctgggc agtcatctca aagtgggtg ctacgaggtt gctgagatac tcttctgtgc 360  
 ggcatataag atctttgaac actcgcggtt ccgctctct cctctccggc tgtgcgtggg 420  
 gggaaacatt gtgc 434

<210> 431  
 <211> 581  
 <212> DNA  
 <213> Homo sapiens

<400> 431  
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 ggccacgagt atccagctcc aagcccaagt gaggcgggga gtcaacttcc ccctgattgc 120  
 caagcgaccc agaccagaag cagggaagat taggttagtt ctggggcaag gtgaactgga 180  
 gaccttctct ctggccctct tccctggcct gtccacaga catcccgctt tttaacccac 240  
 tggcttttgc aggaactctgt ctgtccactc caaatcaaa gatacttgcg tctttcttac 300  
 acagactccc atctctctgc tcatagtggc ccagggctgc ccgagaaaaa gaaacttggg 360  
 ttagtagaag gctcattagt gtgaaggagt gagaggccag gccttctctg gacataatgc 420  
 tctctatgct gtttcttaaa cacttggctc acacacaata cctgggcagg aagagagaac 480  
 caagcactac tggatggctc tggagccagg ggacttctat gcacatacaa ccaactcac 540  
 ccactcttgc tcatctgtgc ctccacctg aacagcagag t 581

<210> 432  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

<400> 432  
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 cttagcagtc atgtgctctg taagtccttg atttaccatg actacattct tagccagggt 180  
 ctgcttaact ggaagaagag attcttcagt atatgacagg taatgtttga gagtgttgtt 240  
 ccattccaca tcatccagaa tcttcagtgc taagcaaaaa gtcctgtctg caatttgaga 300  
 aggaggaaag tgcaccatgc cctagtcaca catagttagt tccatcaggt attcggccaa 360  
 agtctgttgc tgcacatcaa cctctccaat cttagatgct ctccgaagga agtgcaaaag 420  
 tagcggctga ccagagacca agtttaaaag tcttagaact ttcatttcca tctgtctgat 480  
 ttgtgtctta gtataagttt tgtcagtcac aaaagcaaag tccccaattc ct 532

<210> 433  
 <211> 531  
 <212> DNA  
 <213> Homo sapiens

<400> 433  
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 acaattacagt ggttttagaaa tcactaattt tacttctaag tcaattcataa accttgtcta 120  
 tgaattgaat tcttaaatat ttagtttgata gactgtcaca ggtaaatagg accttagcaag 180  
 ctctcttata tgttaaaagg gcatctatca gatttaagta gaacatttgc tgtcagccac 240  
 atattgagat gacactaggt gcaatagcag ggatagattt tgttgggtgag tagctctcatg 300  
 ccttgagatc tgttggtggt tccaaaatgg tggccagcca gatcaaggat gtagtatctc 360  
 atagttccca ggtgatattt tctttattag aaaaatatta taactcattt gttgtttgac 420  
 accttatagat tgaattttcc taatttattc taaattttta gtggttcttt ggttccagtg 480  
 ctttatgttg ttgttgtttt tggatgggtg tacatattat atgtttctaga a 531

<210> 434  
 <211> 530

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 434

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acaagagaaa aacccctaaaa aaaggatggc tttagatgac aagctctacc agagagaactt 60
agaagtggca cttagctttat cagtgaagga acctccaaca gtcaccacta atgtgcagaa 120
ctctcaagat aaaagcattg aaaaacatgg cagtgtataa atagaaaaca tgaataagtc 180
ctctcatatc cctaatggca gtgtagccag tgattatcta gatttggata agattactgt 240
ggaagatgat gttgggtggg ttcaaggga aagaaaagca gcacctaaag ctgcagcaca 300
gnagagggaag attctctctg aaggcagtg tggtagatgt gctaatgaca ctgaaccaga 360
ctttgcacct ggtgaagatt ctgaggatga tctgattctt tgtgagagtg aggataatga 420
cgaagacttc cctatcgaga aaagttaagt taagaaaatt aaaaagaaag aagtgaaggt 480
aaatccccca gtagaaaaga aagagaagaa atctaaatcc aaatgtaatg 530

```

&lt;210&gt; 435

&lt;211&gt; 677

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 435

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actctatgat ctaatttaata gatattagaa acagttagaa gataagttac atgtcaatgt 60
cnaatgacta gagtcaacat taaagagttg taatttaagt aatcnaaact gatattcaat 120
tccnaaaaca tttataaaat gtatttgggt ttgggaacca caggactcca aacaagcaaa 180
gtctcaatgt agatagtcac aaagatgtag atacactgaa acaactaaag gccctattaa 240
tgatttttgt tattttggat cttctgtctc tttcttatta tggctcgaag cctccttaat 300
accaatttat cagacagaag catgtcatct cgtctgtcaa gataatccag taaattttca 360
gtccactcaa gtgcctgttt atggcttaata cgtctctctg gattcagttc tjtcttttca 420
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atgtcaacat gtcacatctc tctctgtctc tgtaaaactg ttgttaaat agctgtctaa 600
atggctctct catcaatgt catcctgaa tctctctcat tgcagggaa aagttttttc 660
cttjctctgt tctatgggt 677

```

&lt;210&gt; 436

&lt;211&gt; 573

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 436

```

acctcttagg gtgggagaaa tggggaagag ttgttctacc aatttgctaa cctagtggac 60
agggtagtag attagcatca tcgggacaga ttgtgaagagg aaggctgttt ggataataat 120
taaggataaa atttggctag ttgacagatt ctgtttccag cagtctttac agcaacagtg 180
gagtgttca gcatgtgtgt cctgttaatt taattctgat ccgtaactat ttgggtatca 240
atgtgtgttg aagtcttgtc ctatgggaaa agctctgtgt tgcaggggtg cagttaagat 300
ctcttgagat aggaatggga ttggctaatc ttttgctgt tttctgggat tgggggcattg 360
gnaataacag tagggtagtt tagttcttta cacagaacat gataaactac acctgttgat 420
gtcactgtct gtcactgaat attatagaag gtatgaaggt gtaattacca taataacaaa 480
acacactgtc tttagggctg acctttctgc ctttgacctc cttagcctcc attcccatct 540
tgcctcagac tgaagtatg tttgtattaa tgt 573

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&lt;210&gt; 437

<211> 645  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(645)  
 <223> n = A,T,C or G

<400> 437  
 acaattggta tccatatctt gttgaaattg taatgggaaa acaatatatt tcaatctcta 60  
 tctagatagt gggcttttct tttcataata tattctttta gtttactgta tgagttttgc 120  
 aggaactgat aatagatcac cacaatcata acatcttagg accacagaca tttatgagat 180  
 catggctctt gggggttaga agtatgtcca tgtcttaact gggctctctg cttagtctta 240  
 tttgggtgca atcaagggtg cagctgggtt gaattttcat ttgggaatct gactgggaaa 300  
 gagtctgctt ccaaggctat gaagtttctt ggcataatgt atgttttcat gacagtatga 360  
 ctgaaatccc aagctatctc ctgactttta gctgggtaat cttagggcct aaatgttgcg 420  
 ttaggttctt agaggctggt cagagttctt agccatgttg atttctcaa catggctgct 480  
 tggcttcaca agtcaggcaag aatagctctg catatcagtg tatatcagga tcaactcagga 540  
 taaatttccc actgatgagc caaacactaa ctgatttttag agcttaacta catctgcaaa 600  
 atttngttca ccagaggcca gtcatttca ggggaaggaga agtct 645

<210> 433  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<400> 433  
 acagaattga gagacaagat tgcctgtaat ggagatgctt cttagctcca gataatacat 60  
 atttctgatg aaaatgaagg aaaagaaatg tctgtctctg gaatgactcg agctagagct 120  
 tctcaggttag aatagcagca gctcatcact gtggaaaagg ctctggcaat tctttctcag 180  
 cctacacccc cactctgtgt ggatcatgag cgattaaaaa atcttttgaa gactgttctt 240  
 aaaaaaagtc aaaactacaa catattcag ctggaaaatt tgtatgcagt aatcagccaa 300  
 tgtatttacc ggcattgcga ggacatgat aaaaatcac ctattcagaa aatggagcaa 360  
 ggggttagaaa acttcagttg ttccagatga tgatgtcatg gtatcagata tcttttatat 420  
 ttgttccca tccaagtcac tttgtctcag tccgctaat tgatgtagta tgaacccctg 480  
 cttct 485

<210> 439  
 <211> 533  
 <212> DNA  
 <213> Homo sapiens

<400> 439  
 acagagagct cctcatcccc ggagctgctt ttgaacaggt catttacctt actgtctctc 60  
 aggtcccaaa gcatggctcc aaatgatgaa atttcattct gattttcttg ctgaagaacta 120  
 tctctgtctg gcatgtccac caccgttact ttatccccct atctgtggat gggtagaatg 180  
 aaacatatat ggaaatgttc tctgcaataa aaacagcagt ggtaacacag atgtaggctc 240  
 tgagtgtctc actggagact gaagtcacaa gatatgcaac aaagctcttg tctctctgat 300  
 gtttttgcct cctgtctggt atgtgtcttc acacatcaag agaggacatt taacatttga 360  
 gccacagctt cttttgtctt tgtctgatgg ttggttgcca gagaatttga actggagatg 420

```
aacttttatta tccaggagcgc tgagagtata acatgcattga cagagctttt agagcactgt 480
gatgtaacat gtcgaagcaga aataggggagc atgtttacag ccattctatg aaa 533
```

```
<210> 440
```

```
<211> 341
```

```
<212> DNA
```

```
<213> Homo sapiens
```

```
<400> 440
```

```
tatgggggtag ggggggtcggg gattcattga attgtggttg gcaggagcaa gccctgctca 60
cactctcaca ctccgcaccca gaattgtcaa agatcacagat tgtaaaaatc tacgatccct 120
cagctctcatt cacaacaaat aaaatctcat gtccccaacg aacccagagt cagacgacag 180
ctggagcatt ggcagggaca gtcagaaaag agacaagtga aaacggtcag atggacacag 240
ggggaggaga aaagacagag ggagagagac catcgggaac aatcagaggg gccgagacga 300
ttagaaaagg gtcagcccca gataggctga gcacagagttt c 341
```

```
<210> 441
```

```
<211> 572
```

```
<212> DNA
```

```
<213> Homo sapiens
```

```
<220>
```

```
<221> misc_feature
```

```
<222> (1)...(572)
```

```
<223> n = A,T,C or G
```

```
<400> 441
```

```
aagtttgggg ataatttatt atgcagcaag agataatata caggacttct canagcactc 60
aatatgtnaa tataaatctc caanaaaaaa gatatacaat gaaacattcc tottagtnat 120
ctggccaagg anactctntt tctttganaa tatctctcaa aaagctcgatc taatgatatg 180
gtctcgggctc tacaattcca tctaactctt aacctcgatt ctatctcatg agcaaatcat 240
ctatccttcc agaacctcaa cttttccctt ttacaaaagta gaaataaaac atctgccttt 300
acataaatca ttaatataga cctggatggg cagattctga gctatttttg gctggggggg 360
gggaaatagt ctgtggagggt cctaaaaaga tctacggggc tccagatggg tctctgcaag 420
gttggaggtg ggtcgaaggg ccatttcagt ctttgttccc caggccattt ccacaaaatg 480
gttgaatata ggtctctctt ttagcttggc cataactcaa agatgggggg catggacctg 540
ggctcttcca ggctaggggc tgaacctctt cc 572
```

```
<210> 442
```

```
<211> 379
```

```
<212> DNA
```

```
<213> Homo sapiens
```

```
<220>
```

```
<221> misc_feature
```

```
<222> (1)...(379)
```

```
<223> n = A,T,C or G
```

```
<400> 442
```

```
tcccagctgg actgcttaca cgtcttctct cgtnttccac taacccagagg ctgactcctt 60
cccagntgt gcagctgccc accgcaaggg cagcagcagc aatgagcctt cctctgactc 120
```



```

getcagctca cccacgctgc tggccctgtg agggggcagg gaaggggagg cagccggcac 180
ccacaagtgc cactggccga gctgggtgat tacagagagg agaaacacat ctccctaga 240
gggttctgt agacctaggg aggacottat ctgtggtga aacacaccag gctgtggggc 300
tcaaggactt gaaagcatcc atgtgtggac tcaagtccct acctcttcg gagatgtag 360
aaaaagcatg gagtgtgta 379

```

<210> 443

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(511)

<223> n = A,T,C or G

<400> 443

```

aatgcccccc aaaggctcgc ttcatctgta cgattctcta cttaaatcca cattcacaga 60
tattgcctca gacccctctgg aggggggggc aggggttagc tggctttgaa tagcatgtag 120
aggacaggga gtgtggccac aaatgtcaca caggtgacca ggggtgtata gatgggtgtc 180
ctgttgactt gggcttctag tctctgctcc gtgtctgaca gtgccaagat catgctcccc 240
tgcctcagga agaagctggg catagccccg tctgtgggtt ccaccaggcc tgggtgtgct 300
gcagacttta caagctgaac cacccccagg atttggctac aagtctcttc taggcatca 360
agctgctccc gtaagcttcc tagacatgaa tggacttgcg tggaatgaat aagctgctct 420
tccaaggcag ctgaaaaggac atcacatctt ctgtctctgg tggggggact acctgctgt 480
gacccagagt cctgcccctgg cccagcagca t 511

```

<210> 444

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(612)

<223> n = A,T,C or G

<400> 444

```

acagggaagaa ttctacagtt aatctatcac agtgttccag caaagcatat gttgaaaact 60
acagttttca atctaacatc taaattttaa aaagttagct ttccagcaaca aacagctca 120
gagagggtca tggcaaaagt gaaataacag aactattgct cagatgtctg caaagtcaag 180
ctgtctgccc cagctccgcc cacttgaagg cttaggcaga cactgaaggt ggggggtggc 240
ctctggcagg accattcaca gtggcatcat cacaaggagg tagcagcac gtagtgtcat 300
tctgtggtaac ataaatcagg acatcagagg agtctctacc attgatgtat cggtagcagt 360
tccaaaacaa gctaatcaag taacctttaa aagtcaagat aatgctatta aacagaagaa 420
taataaggac caaacaggta ggattcactg acatgacatc atctctgtag ggaaaattag 480
gaggtaggtg ccgtatgtat tcttgaatgg agtttggata aataagcaca gtgattgcaa 540
craacanctt cagggcaaaag tcaaatatct ggtaacagaa gaatgggatg atccaggctg 600
cggttctgtt gt 612

```

<210> 445

<211> 708  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(703)  
 <223> n = A,T,C or G

<400> 445  
 accatcctgtg tccaaacagag ccattgacct ttcttaaatt gaatctgact ggggtgtgccc 60  
 ctccctcgggaa cacaacagta gatcttaata gtggaaacat cgatgtgcct cccaacatga 120  
 caagctggggc cagcttccat aatgggtgtgg ctgttgacct gaagatagct cctggcctccc 180  
 agatcgactc agcttggtt gtttacaata agcccaga ca tgttgagttg gccaatgagt 240  
 atgctgggctt tctcatggct ctgggttttga atgggcacct taccgaagctg ggcactctca 300  
 atatccatga ctacttgaac aaggggccatg aaatgacaag cattggactg ctacttgggtg 360  
 tttctgctgc aaaaactaggc accatggata tgtctattac tgggtctgtt agcattcgca 420  
 ttctgctctt cttaccccca aggtccatag agttggatgt tctccacaat gtccaagtgg 480  
 ctgttgatggt tgggattggc ctgttatatc aaggggacag tccacagacat actgcagaag 540  
 tctgtctggc tgagatagga cggcctctctg gtcttgaaat ggaatactgc actgcacagag 600  
 agtcataccc cctagctgct ggtttggccc tgggcctggt ctcttggggg catgggcagca 660  
 atttgatagg tatgtntgat ctcaatgtgc ctgagcagct ctatcagt 708

<211> 446  
 <212> 612  
 <213> DNA  
 <214> Homo sapiens

<400> 446  
 accaagcaagc cgaagcctgg atcatcccat tctctcgcta ccagatcttt gactttgccc 60  
 tgaacatggt ggttgcacac aactgtgctta tttatccaaa ctccattcag gaatacatac 120  
 ggcacactgpc tctcaatttt ccttccagag atgatgtcat gtcagtgaat cctacctggt 180  
 tggctccttat tattctctctg tctattagca tctctctgac ttttaagggc tacttgatta 240  
 gctctgcttg gaactgctac cgatcacaca atggttaggaa cctctctgat gtcttgggtt 300  
 atgcttaccag caatgacact aaggtgctgc taccctcgta tcatgatgc accgtgaatg 360  
 gtgtctgctaa ggagctaccc ccaacttaag tgtctgctta agccttcaag tgggoggagc 420  
 tgaagggtagc agcttgactt tgcagacatc tgagcaatag tctgttatt tcaacttttg 480  
 catgagcttc tctgagcttg tctgttgcct aaatgctact ttttaaaatt tagatgttag 540  
 attgaaaact gtagttttca acatatgctt tcttggaaca ctgtgataga ttaactgtag 600  
 aattctctct gc 612

<211> 447  
 <212> 642  
 <213> DNA  
 <214> Homo sapiens

<400> 447  
 actgaaagaa ttaaagtcag aagtcttccc aaaacaaaaa gaactgccc aagagaaaaat 60  
 cctctctgat acttttcat gttaaaataa aacaggcggg aaatgtggaa aagaaattca 120  
 accaaaataat gtatgaccag aagaacaagt cctagatgat tcaagttcaa aaggtaagct 180  
 ccagcaatgt ggaagaggta aagaaccaat tagacaagct gacgaggaat atctctcttt 240

```

ttggtttttct ggaagtagag ttccaggaaaa gcattgaagcc agtaagccag ctgtgatatg 300
tagaaaaaact tcatttgaaa tgccttcagg ttatggggat aagccctcca taagatagtt 350
gggtctgaga tgtagttttc agagatgaga atgaatgtgc cccaaaacaca ggcaaaaagg 400
tagaacgcac taagctgacc agattcatta aacttgcctg gttttgtttt ggagaagtgc 450
attcgctctg taattttcct caacatatac tcttgaatta cggcatgaat aattatcgcc 500
actagctctg agaagaaaaa agtagccaaa tcttcgatgc catagtaata aagggacact 550
gattcagtag ctgtctcttc tcttgcctggg agggcgacat tg 600

```

<210> 443

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(394)

<223> n = A,T,C or G

<400> 443

```

atcagaagac ctcagaaaaa ggaggaaaag aggagaggca gataatttgg atgaattcct 60
cnaagngctt gaaaatccag aggttcctag agaggaccag caacagcagc atcagcagcg 120
tgaatgttct gatcagccca ttattgaaga gccaagtcgc ctccaggagt cagtcatgga 180
ggccagcaga acaaacatag atgagtcagc tatgcctcca ccaccacctc agggagttaa 240
ggcuaaagct ggacaaaattg acccagagcc tctgatgcct cctcagcagg tagagcagat 300
ggaaatacca cctgttagagc tccccccaga agaacctcca aatattctgt agctaatacc 360
agagttagaa cttctgcctag aaaaaagagaa ggag 394

```

<210> 449

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(494)

<223> n = A,T,C or G

<400> 449

```

acaaaaaaca caagggaatac aaaccaatag aaaatagtcg tgggaatgtg gtcagaagca 60
aaggntctag tgcctttctc aacgttgcaa aagcctgtgt cttcccgggg aaccaggaaa 120
aggatccgct actcaaaaaa caagaattta aaggagtctc ttaaatttcg accttgttct 180
tgaagctcac ttttcagtgc catcgatgtg agatgtgttg gagtggctat taaccttttt 240
ttcccaaga ttattgttaa atagatatcg tgggttgggg aagtccaatt ttttataggt 300
ttaatgtcat tctagagatg gggagaggga ttatactgca ggtagcttca gcatgttgt 360
gaaactgata aaagcaactt agcaaggctt cttctcatta tttttatgt ttacctata 420
aagtcctagg taactagtag gatagaaaca ctgtgtcccg agagtaagga gagaagctac 480
tattgattag agcc 494

```

<210> 450

<211> 547

<212> DNA

<213> Homo sapiens

<400> 450

```
actttggggt ccagacttca ctgtccttag gcattgaaa caccacctgg tttgcattct 60
tcattgactga gggttaactta aaacaaaaat ggtaggaaa gtttcctatg cttcgggtaa 120
gagacaaaat tgccttttgta gaattgggtg ctgagaaaag cagacagggc ctgattaaa 180
aagacatttg ccaccaactag ccaccaagtt aagtctgtga acccaaggt gaaggccatg 240
gaaaagtaga ccatcagctc tgcataagtag ttaggggaa aaacatatto aaaccagtt 300
ccaaatggga cctgtgggtt acagtgaatg gccactcctg ctttatcttc cctgagattg 360
ctgagaataa catggcaatt atactgatgg gcagatgaac agatgaacat catcatccca 420
agaatatgga accacgttgc ttgcataaat agatttttcc ctgttatgta ggcattcctg 480
ccatccattg gcacttgggt cagcacagtt aggcacacaa ggacataata gacaagtcca 540
aaatagt 547
```

<210> 451

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(394)

<223> n = A,T,C or G

<400> 451

```
actacttntt gggttaaaaang ccactggtag agtcattctga ntgtaaaaca tgtccttgca 60
ctgtctggaaa aatccactgg ccccaagaa agaaaaatgg tctgaagcct ctgttctggc 120
ctccacaaat catctttccc taagtcatca agtcacacat cactgaggtc aatgtcatcc 180
ctccaggggaa gctcggcaat cctggcgctc caaggctctc cctcaacgat ggtaggggaaa 240
gcccggcctc ctacaggtgc cgtggagcca cgcacaaaag agagctcctc gagaaactcg 300
ctgatgctct gctcactgaa ggagctcttc agcagagcaa atttcatttc gcttgcattg 360
atctggggca tgggggggta ccca 394
```

<210> 452

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 452

```
actctaaagt tgcactctc acaggggtca gtgataccca ctgaacttgg cagggaacagt 60
cctgcagcca gaattctgaa gcagcgcttg tatgcaacgt ttagggccaa aggtctgtctg 120
gtgggggttg tcatcacagc ataattggct agtaggtcaa ggatccaggg tctgaggggc 180
tcaaaagccag gaaaaagaat cctcaagtc ttccagtatc tgatgagaa ttttaactgtg 240
gactgagaag cattttcttc gaaccaggg gcattgtcga tggctgctaa ngcactctgc 300
aatactttga tatccaaatg gagttctgga tccagtttcc naagattggg tggcactgtt 360
gtaatganaa tcttcactgt a 381
```

<210> 453  
 <211> 455  
 <212> DNA  
 <213> Homo sapiens

<400> 453  
 aatgtgtgttaa acagccttata gccaaagtttt aaagagttac aggaacaact gctacacatt 60  
 caaagaacag gcattcactg cagcctcctg atttgacctg atgggaggga caggagaatg 100  
 agtcactctg ccaccacttt ccttgccctg gatttgtaga ggatttggtt tgccttaatt 140  
 tgtttttcct atatctgccc taactaaggta cacagtctgg gcactttgaa aatgttaaa 240  
 ttttttaagt ttgactgaca gaagcagcac ttaaaggctt catgaatcta tttccaaaa 300  
 aaagtatgct ttcagtaaaa cactttacca ttttatctaa ctatgcactg acatttttgt 360  
 ttttcctgaa aaggggattt atgctaactc tgtattttta atgtaaaaat atactgttag 420  
 agaatattta acttcctgag tgacttatac ctcaa 455

<210> 454  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(383)  
 <223> n = A,T,C or G

<400> 454  
 acagaggtac tttacaagtt gtcacatttc tttataaatt tttttaaagc tacagtttaa 60  
 tacaataatga attgggggtt tattacatta acaaaccttc acctcagggc tttatgaaga 100  
 ggaaggggtt tcatgcacaaa gaaagtgtta caattcctaa tcattttaga cacttcagga 140  
 ggggtgtgaag ttgtatgata aagcagatat ttttaattat tgttatcttt ttgtattgca 240  
 agaaattttc tgcctagtga tcaagaaaaa atccagatcg acagtctaaa atggctactg 300  
 gtaattcagt taattcaaaa atgaaacctt ccagtgatcc accttactaa cacttcattt 360  
 gagaaggttc attgggtaaa ttt 383

<210> 455  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(383)  
 <223> n = A,T,C or G

<400> 455  
 actcctttan gacaaggaaa caggtatcag catgatggta gcagaaactt tatcacaag 60  
 gtgtaggagt tgattcttc caaagagttg tgggttcggg cagcggcat tgcctgccc 100  
 attgctggag ggttgatttt agtgctgtt attatgttgg ccttgaggat gtttcgaagt 180  
 gaaaataaga ggttcgagga tcagcggcaa cagatgctct cccgtttgca ctacagcttt 240  
 cagggacac attccaaaaa ggggcaggtt gcaaaagttag acttggaatg catggtgccc 300

```
gtcagtgggg accgagaactg ctgtctgacc tgtgataaaa tgagacaagg agacctcagc 360
aacgataaga tctctctcgt tgt                                     383
```

<210> 456

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(543)

<223> n = A,T,C or G

<400> 456

```
acaaacattt tacaaaaaag aacattacca atalcagtgg cagtaagggg aagctgaaga 60
atantagagc tgagttttcg ggcaatgtct gtctcctaaag acatccaaac tgggttcagg 120
cagctgaaac aggtctctct cccagtgaca agcatatgtg gtcagtataa caaacgatgg 180
tctatgaggg tactacatag gccacgttaa caaacctctc tctctctcgg gtaggccatg 240
ataaaagcgg aactcaccac ataattttaa cccaaggcga taacaacact atttcccatc 300
taaacctcat taagctctca caatgtcgca atggattcag ttacttgcaa acgatcccg 360
gttgccatcc agatatttgt tttttacaca taacgtctgt ccctcccttc cttcactgac 420
ccagtcaggt tctctgttgt tggacggaaa ggggatacat tttagaaatg cttccctcaa 480
gtcctgaagtg agaaagaaa gagaacctga ggcacaggat cattaaaact ggtgtgtggg 540
cga                                     543
```

<210> 457

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(544)

<223> n = A,T,C or G

<400> 457

```
actgggtgca atattgncat ggtgagctcc tctctaatgt cttccagggg accaatatct 60
gcccattgta cattagggac agtgacaaa ccttcccttc tggcagaggg ttggactgag 120
gatagagcaa caatgaaatc attcagttca atgcacagtc cttgcattct cctctctgag 180
aggggatctt ggtctcttag caaccccagc agcctttgta attcattctg tgtttcagaa 240
gtgggtctcag ttcccagcct tctctctcgg actcctctag atggcaaatc ttccatttca 300
ggaattttct tctgtgtgtc ctgtagcttc attaagactc tattgactgc acacattgct 360
gctctctcgg acagtgccat gagatcagca ccaacaaaag cttggagttag gtgtgttaag 420
tgaacagaaat caaaagcttg aggaagcctc agttttctgc acaatgtttg aagtattctt 480
tctctggatg cttcattctg gatacctagg catatttctc ggtcgaaact tcccgcaagt 540
ctca                                     544
```

<210> 458

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(382)

<223> n = A,T,C or G

<400> 453

```
acattntatggc tcaaacggcag aancttcacc acaaaaagcga aatggggaca ccacagggag 60
aaaactggytt gtcctgggatg tttagaaaagt tggctggtgt catgggtgtg tacttcaccc 120
tatctatcat taactccatg gtacaaaagt atgcaaaaag aatccagcag cgggtgaact 180
cagaggagaa aactaaataa gtagagaaaag ttttaaaactg cagaaaattgg agtggatggg 240
ttctgcttta aattggggagg attccaagcc gggaaggaaa attccctttt ccaacctgta 300
tcgaatttta caactttttt cctgaaagca gtttagtcca tactttgcac tgacatactt 360
tttccctctg tgetaaggta ag 382
```

<210> 459

<211> 168

<212> DNA

<213> Homo sapiens

<400> 459

```
ctcgtactct agccaggcac gaaacctga agtagcctga tccctcttag ccactctggc 60
tgcctatagg gtatgaactt tgtgttatga atccatgaa agcatgggat cttatgaact 120
taattccctc attaacagga gaaatgcaaa taccttcata tccctca 168
```

<210> 460

<211> 190

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(190)

<223> n = A,T,C or G

<400> 460

```
atantgtgta ccaggggagcc gagagctgac tatccagacc tgggttaatg tattctacgc 60
cctggatgga gcttcacacg attccctcct ggggagagg cgaaggctct ctactgctac 120
aattggcctc accagtggcc cgtctgcctc aggaactcct ccgagtgagg gaggaggggg 180
ctcccttcct 190
```

<210> 461

<211> 415

<212> DNA

<213> Homo sapiens

<400> 461

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cccaagaatg gtttaccca agcagagagg acatgtcact gaatggggaa agggaaaccc 180
cgtatccaca gtcactgtaa gcacccagta ggcaggaaga tggctttggg cagtggctgg 240
```

```

atgaaagcag atttgagata cccagctccg gaacgaggtc atctctctaca ggtctctctc 300
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ttttcactac cactattagc tggctctctg tctcagaggg tatctctaag actaggggct 420
tggtatatat gtgggtcaaaa cgaattagtt cattaatggc tccagctctg gctgatgacg 480
tcccactga cagag                                     495

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<210> 462

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(493)

<223> n = A,T,C or G

<400> 462

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aagaaaagca gttacccagca cttcacaaca gtgtattcga catcttttaa atatcaaaag 300
gagaaacaa aagggaacat aataatgtta ccagaagat gttaggaagt aaggacagct 360
gtgaaagct tgaggctgaa aagtagcttg ccagcttcac tctctgggtt tcttgggtag 420
tgggtggggg aacagcaaga tgtgaggttc tgggtccatg accatataat ggacccatcc 480
ctgactctgc tga                                     493

```

<210> 463

<211> 3631

<212> DNA

<213> Homo sapiens

<400> 463

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```



```

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ctgtctctgc  actcaggtcg  g  3681

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&lt;210&gt; 464

&lt;211&gt; 1424

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 464

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caccctggg taacttaact ggtcaccccc accctggaga gccatccctg ccattgggtga 180
tcaaaagaagg aacatctgca ggaacacctg atgaggctgc acccttggcg gaaagaacac 240
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agtcagcaga agaaacaccc agggaaatta ccgagctctg aaaaagaaac cctgagaaat 480
ttacgtggcc agcaaaaagg agacctagga agatcgctat ggagaaaaaa gaagacacac 540
ctagggaaat tatgagtcct gccaaaagaaa catctgagaa atttaoctgg gcagcaaaaag 600
gaagacctag gaagatcgca tgggagaaaa aagaaacac ccgtaagact ggatcgctgg 660
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ccaaacaaga ggaagatgaa gaatactctt gtgattctcg gagtctcttt gagagtctct 840
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agatattgca agacttgaga gaaaaaaaaa aaaaaaaa aa 1440

```

&lt;210&gt; 465

&lt;211&gt; 674

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 465

```

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ggctagctgg cctgtggggc atttattagt aaagtcttaa tgacaaaagc tttagatcaa 120
cacatccctg gggaatcaac ctggtcaccc ccacccctgga gagccatcct gccatgggt 180
gacaaaagaa ggaacatctg caggaacac ccgatgaggt gccacccctg cggaaagaac 240
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aagaaacac ccgacggctg aaagcttggg gaaaaaaa ca ctgatgagg ctgcacccct 360
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atttaoctgg ccagtaaaaag gaagacctag gaagatcgca tgggagaaaa aagatgact 540
agttcaggga aaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaa aaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaa aaaa 674

```

&lt;210&gt; 465

&lt;211&gt; 1729

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (11)

&lt;223&gt; n=A,T,C or G

&lt;221&gt; unsure

&lt;222&gt; (1128)

&lt;223&gt; n=A,T,C or G

&lt;400&gt; 456

```

ga agtttoga ntagtcagca gaagaaacac ctagggaat taagagtcct gaaaaagaaa 60
catctgagaa atttaagtgga ctagcaaaaag gaagacctag gaagatogca tgggagaaaa 120
aagaaagacac acctagggaa attatgagtc ctgcaaaaaga aacatctgag aaatttacgt 180
ggggagcaaaa aggaagacct aggaagatcg catgggagaa aaaagaaaaa cctgttaaga 240
ctggatgggt ggcaagagta acatctaata aaactaaagt ttggaaaaa ggaagatcta 300
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&lt;210&gt; 467

&lt;211&gt; 1337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 467

```

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tgaaggctaa ctggggaatg aaagtttcta ttcaaaccaa agccttagaa ttgatggata 120
tgcacacctt caaagcagag cctccggaga agccatctgc ctccgagcct gccattgaaa 180
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agagttcttg tgagactgtt ccacagaagg atgtgtgttt acccaaggtt ggcacacaaa 360
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```

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gtctccgtga gactgtttca cagaaggatg tgtgtgtacc caaggctaca catcaaaaag 720
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agatgacccc tegtgc 1337

```

&lt;110&gt; 468

&lt;111&gt; 2307

&lt;112&gt; DNA

&lt;113&gt; Homo sapiens

&lt;400&gt; 468

```

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taccacatca aaagaaatag ataaaataaa tggaaaatta gaagggtctc ctgttcaaga 180
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<210> 469

<211> 650

<212> PRT

<213> Homo sapiens

<220>

<221> unsure

<222> (310)

<223> Xaa = Any Amino Acid<221> unsure

<222> (429)

<223> Xaa = Any Amino Acid<221> unsure

<222> (522)

<223> Xaa = Any Amino Acid

<400> 469

Met Ser Pro Ala Lys Glu Thr Ser Glu Lys Phe Thr Trp Ala Ala Lys  
5 10 15

Gly Arg Pro Arg Lys Ile Ala Trp Glu Lys Lys Glu Thr Pro Val Lys  
20 25 30

Thr Gly Cys Val Ala Arg Val Thr Ser Asn Lys Thr Lys Val Leu Glu  
35 40 45

Lys Gly Arg Ser Lys Met Ile Ala Cys Pro Thr Lys Glu Ser Ser Thr  
50 55 60

Lys Ala Ser Ala Asn Asp Gln Arg Phe Pro Ser Glu Ser Lys Gln Glu  
65 70 75 80

Glu Asp Glu Glu Tyr Ser Cys Asp Ser Arg Ser Leu Phe Glu Ser Ser  
85 90 95

Ala Lys Ile Gln Val Cys Ile Pro Glu Ser Ile Tyr Gln Lys Val Met  
100 105 110

Glu Ile Asn Arg Glu Val Glu Glu Pro Pro Lys Lys Pro Ser Ala Phe  
115 120 125

Lys Pro Ala Ile Glu Met Gln Asn Ser Val Pro Asn Lys Ala Phe Glu

130	135	140
Leu Lys Asn Glu Gln Thr Leu Arg Ala Asp Pro Met Phe Pro Pro Glu		
145	150	155 160
Ser Lys Gln Lys Asp Tyr Glu Glu Asn Ser Trp Asp Ser Glu Ser Leu		
	165	170 175
Cys Glu Thr Val Ser Gln Lys Asp Val Cys Leu Pro Lys Ala Thr His		
	180	185 190
Gln Lys Glu Ile Asp Lys Ile Asn Gly Lys Leu Glu Glu Ser Pro Asn		
	195	200 205
Lys Asp Gly Leu Leu Lys Ala Thr Cys Gly Met Lys Val Ser Ile Pro		
	210	215 220
Thr Lys Ala Leu Glu Leu Lys Asp Met Gln Thr Phe Lys Ala Glu Pro		
	225	230 235 240
Pro Gly Lys Pro Ser Ala Phe Glu Pro Ala Thr Glu Met Gln Lys Ser		
	245	250 255
Val Pro Asn Lys Ala Leu Glu Leu Lys Asn Glu Gln Thr Leu Arg Ala		
	260	265 270
Asp Glu Ile Leu Pro Ser Glu Ser Lys Gln Lys Asp Tyr Glu Glu Ser		
	275	280 285
Ser Trp Asp Ser Glu Ser Leu Cys Glu Thr Val Ser Gln Lys Asp Val		
	290	295 300
Cys Leu Pro Lys Ala Xaa His Gln Lys Glu Ile Asp Lys Ile Asn Gly		
	305	310 315 320
Lys Leu Glu Gly Ser Pro Val Lys Asp Gly Leu Leu Lys Ala Asn Cys		
	325	330 335
Gly Met Lys Val Ser Ile Pro Thr Lys Ala Leu Glu Leu Met Asp Met		
	340	345 350
Gln Thr Phe Lys Ala Glu Pro Pro Glu Lys Pro Ser Ala Phe Glu Pro		
	355	360 365
Ala Ile Glu Met Gln Lys Ser Val Pro Asn Lys Ala Leu Glu Leu Lys		
	370	375 380
Asn Glu Gln Thr Leu Arg Ala Asp Glu Ile Leu Pro Ser Glu Ser Lys		
	385	390 395 400
Gln Lys Asp Tyr Glu Glu Ser Ser Trp Asp Ser Glu Ser Leu Cys Glu		

405										410					415				
Thr	Val	Ser	Gln	Lys	Asp	Val	Cys	Leu	Pro	Lys	Ala	Xaa	His	Gln	Lys				
			420					425					430						
Glu	Ile	Asp	Lys	Ile	Asn	Gly	Lys	Leu	Glu	Glu	Ser	Pro	Asp	Asn	Asp				
			435				440					445							
Gly	Phe	Leu	Lys	Ala	Pro	Cys	Arg	Met	Lys	Val	Ser	Ile	Pro	Thr	Lys				
			450			455					460								
Ala	Leu	Glu	Leu	Met	Asp	Met	Gln	Thr	Phe	Lys	Ala	Glu	Pro	Pro	Glu				
					470				475						480				
Lys	Pro	Ser	Ala	Phe	Glu	Pro	Ala	Ile	Glu	Met	Gln	Lys	Ser	Val	Pro				
				485				490						495					
Asn	Lys	Ala	Leu	Glu	Leu	Lys	Asn	Glu	Gln	Thr	Leu	Arg	Ala	Asp	Gln				
			500					505					510						
Met	Phe	Pro	Ser	Glu	Ser	Lys	Gln	Lys	Xaa	Val	Glu	Glu	Asn	Ser	Trp				
			515				520					525							
Asp	Ser	Glu	Ser	Leu	Arg	Glu	Thr	Val	Ser	Gln	Lys	Asp	Val	Cys	Val				
			530			535					540								
Pro	Lys	Ala	Thr	His	Gln	Lys	Glu	Met	Asp	Lys	Ile	Ser	Gly	Lys	Leu				
					550				555						560				
Glu	Asp	Ser	Thr	Ser	Leu	Ser	Lys	Ile	Leu	Asp	Thr	Val	His	Ser	Cys				
				565				570					575						
Glu	Arg	Ala	Arg	Glu	Leu	Gln	Lys	Asp	His	Cys	Glu	Gln	Arg	Thr	Gly				
				580				585					590						
Lys	Met	Glu	Gln	Met	Lys	Lys	Lys	Phe	Cys	Val	Leu	Lys	Lys	Lys	Leu				
			595				600				605								
Ser	Glu	Ala	Lys	Glu	Ile	Lys	Ser	Gln	Leu	Glu	Asn	Gln	Lys	Val	Lys				
			610			615					620								
Trp	Glu	Gln	Glu	Leu	Cys	Ser	Val	Arg	Phe	Leu	Thr	Leu	Met	Lys	Met				
			625		630			635					640						
Lys	Ile	Ile	Ser	Tyr	Met	Lys	Ile	Ala	Cys										
				645				650											

&lt;210&gt; 470

&lt;211&gt; 228

&lt;212&gt; PRT

<213> Homo sapiens

<400> 470

Met Ser Pro Ala Lys Glu Thr Ser Glu Lys Phe Thr Trp Ala Ala Lys  
5 10 15

Gly Arg Pro Arg Lys Ile Ala Trp Glu Lys Lys Glu Thr Pro Val Lys  
20 25 30

Thr Gly Cys Val Ala Arg Val Thr Ser Asn Lys Thr Lys Val Leu Glu  
35 40 45

Lys Gly Arg Ser Lys Met Ile Ala Cys Pro Thr Lys Glu Ser Ser Thr  
50 55 60

Lys Ala Ser Ala Asn Asp Gln Arg Phe Pro Ser Glu Ser Lys Gln Glu  
65 70 75 80

Glu Asp Glu Glu Tyr Ser Cys Asp Ser Arg Ser Leu Phe Glu Ser Ser  
85 90 95

Ala Lys Ile Gln Val Cys Ile Pro Glu Ser Ile Tyr Gln Lys Val Met  
100 105 110

Glu Ile Asn Arg Glu Val Glu Glu Pro Pro Lys Lys Pro Ser Ala Phe  
115 120 125

Lys Pro Ala Ile Glu Met Gln Asn Ser Val Pro Asn Lys Ala Phe Glu  
130 135 140

Leu Lys Asn Glu Gln Thr Leu Arg Ala Asp Pro Met Phe Pro Pro Glu  
145 150 155 160

Ser Lys Gln Lys Asp Tyr Glu Glu Asn Ser Trp Asp Ser Glu Ser Leu  
165 170 175

Cys Glu Thr Val Ser Gln Lys Asp Val Cys Leu Pro Lys Ala Thr His  
180 185 190

Gln Lys Glu Ile Asp Lys Ile Asn Gly Lys Leu Glu Gly Lys Asn Arg  
195 200 205

Phe Leu Phe Lys Asn Gln Leu Thr Glu Tyr Phe Ser Lys Leu Met Arg  
210 215 220

Arg Asp Ile Leu  
225

<210> 471

<211> 154



<212> PRT

<213> Homo sapiens

<216>

<211> unsure

<212> (148)

<223> Xaa = Any Amino Acid

<400> 471

Met Arg Leu His Pro Trp Arg Lys Glu His Leu Thr Gln Leu Lys Ala  
5 10 15

Trp Trp Lys Lys His Leu Met Arg Leu His Pro Trp Trp Lys Glu His  
20 25 30

Leu Thr Arg Leu Lys Ala Trp Trp Lys Lys His Leu Met Arg Leu His  
35 40 45

Pro Trp Trp Arg Glu His Leu Thr Lys Phe Asn Val Trp Arg Lys Arg  
50 55 60

His Leu Glu Ser Ser Asn Ser Gln Gln Lys Lys His Leu Gly Lys Leu  
65 70 75 80

Arg Val Leu Gln Lys Lys His Leu Arg Asn Leu Arg Gly Gln Gln Lys  
85 90 95

Glu Asp Leu Gly Arg Ser His Gly Arg Lys Lys Met Thr Gln Leu Arg  
100 105 110

Gln Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
115 120 125

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
130 135 140

Lys Lys Lys Xaa Lys Lys Lys Lys Lys Lys  
145 150

<210> 472

<211> 466

<212> PRT

<213> Homo sapiens

<216>

<211> unsure

<212> (329)

<223> Xaa = Any Amino Acid

<400> 472

Met Ser Pro Ala Lys Glu Thr Ser Glu Lys Phe Thr Trp Ala Ala Lys  
                                   5                                  10                                  15

Gly Arg Pro Arg Lys Ile Ala Trp Glu Lys Lys Glu Thr Pro Val Lys  
                                   20                                  25                                  30

Thr Gly Cys Val Ala Arg Val Thr Ser Asn Lys Thr Lys Val Leu Glu  
                                   35                                  40                                  45

Lys Gly Arg Ser Lys Met Ile Ala Cys Pro Thr Lys Glu Ser Ser Thr  
                                   50                                  55                                  60

Lys Ala Ser Ala Asn Asp Gln Arg Phe Pro Ser Glu Ser Lys Gln Glu  
                                   65                                  70                                  75                                  80

Glu Asp Glu Glu Tyr Ser Cys Asp Ser Arg Ser Leu Phe Glu Ser Ser  
                                   85                                  90                                  95

Ala Lys Ile Gln Val Cys Ile Pro Glu Ser Ile Tyr Gln Lys Val Met  
                                   100                                  105                                  110

Glu Ile Asn Arg Glu Val Glu Glu Pro Pro Lys Lys Pro Ser Ala Phe  
                                   115                                  120                                  125

Lys Pro Ala Ile Glu Met Gln Asn Ser Val Pro Asn Lys Ala Phe Glu  
                                   130                                  135                                  140

Leu Lys Asn Glu Gln Thr Leu Arg Ala Asp Pro Met Phe Pro Pro Glu  
                                   145                                  150                                  155                                  160

Ser Lys Gln Lys Asp Tyr Glu Glu Asn Ser Trp Asp Ser Glu Ser Leu  
                                   165                                  170                                  175

Cys Glu Thr Val Ser Gln Lys Asp Val Cys Leu Pro Lys Ala Thr His  
                                   180                                  185                                  190

Gln Lys Glu Ile Asp Lys Ile Asn Gly Lys Leu Glu Glu Ser Pro Asn  
                                   195                                  200                                  205

Lys Asp Gly Leu Leu Lys Ala Thr Cys Gly Met Lys Val Ser Ile Pro  
                                   210                                  215                                  220

Thr Lys Ala Leu Glu Leu Lys Asp Met Gln Thr Phe Lys Ala Glu Pro  
                                   225                                  230                                  235                                  240

Pro Gly Lys Pro Ser Ala Phe Glu Pro Ala Thr Glu Met Gln Lys Ser  
                                   245                                  250                                  255

Val Pro Asn Lys Ala Leu Glu Leu Lys Asn Glu Gln Thr Leu Arg Ala  
                                   260                                  265                                  270

Asp Glu Ile Leu Pro Ser Glu Ser Lys Gln Lys Asp Tyr Glu Glu Asn  
275 290 285

Ser Trp Asp Thr Glu Ser Leu Cys Glu Thr Val Ser Gln Lys Asp Val  
290 295 300

Cys Leu Pro Lys Ala Ala His Gln Lys Glu Ile Asp Lys Ile Asn Gly  
305 310 315 320

Lys Leu Glu Gly Ser Pro Gly Lys Xaa Gly Leu Leu Lys Ala Asn Cys  
325 330 335

Gly Met Lys Val Ser Ile Pro Thr Lys Ala Leu Glu Leu Met Asp Met  
340 345 350

Gln Thr Phe Lys Ala Glu Pro Pro Glu Lys Pro Ser Ala Phe Glu Pro  
355 360 365

Ala Ile Glu Met Gln Lys Ser Val Pro Asn Lys Ala Leu Glu Leu Lys  
370 375 380

Asn Glu Gln Thr Leu Arg Ala Asp Glu Ile Leu Pro Ser Glu Ser Lys  
385 390 395 400

Gln Lys Asp Tyr Glu Glu Ser Ser Trp Asp Ser Glu Ser Leu Cys Glu  
405 410 415

Thr Val Ser Gln Lys Asp Val Cys Leu Pro Lys Ala Ala His Gln Lys  
420 425 430

Glu Ile Asp Lys Ile Asn Gly Lys Leu Glu Gly Lys Asn Arg Phe Leu  
435 440 445

Phe Lys Asn His Leu Thr Lys Tyr Phe Ser Lys Leu Met Arg Lys Asp  
450 455 460

Ile Leu  
465

<R10> 473

<R11> 445

<R12> PRT

<R13> Homo sapiens

<400> 473

Lys Glu Ile Asp Lys Ile Asn Gly Lys Leu Glu Gly Ser Pro Val Lys  
5 10 15

Asp Gly Leu Leu Lys Ala Asn Cys Gly Met Lys Val Ser Ile Pro Thr  
20 25 30

Lys Ala Leu Glu Leu Met Asp Met Gln Thr Phe Lys Ala Glu Pro Pro  
 35 40 45

Glu Lys Pro Ser Ala Phe Glu Pro Ala Ile Glu Met Gln Lys Ser Val  
 50 55 60

Pro Asn Lys Ala Leu Glu Leu Lys Asn Glu Gln Thr Leu Arg Ala Asp  
 65 70 75 80

Glu Ile Leu Pro Ser Glu Ser Lys Gln Lys Asp Tyr Glu Glu Ser Ser  
 85 90 95

Trp Asp Ser Glu Ser Leu Cys Glu Thr Val Ser Gln Lys Asp Val Cys  
 100 105 110

Leu Pro Lys Ala Ala His Gln Lys Glu Ile Asp Lys Ile Asn Gly Lys  
 115 120 125

Leu Glu Glu Ser Pro Asp Asn Asp Gly Phe Leu Lys Ala Pro Cys Arg  
 130 135 140

Met Lys Val Ser Ile Pro Thr Lys Ala Leu Glu Leu Met Asp Met Gln  
 145 150 155 160

Thr Phe Lys Ala Glu Pro Pro Glu Lys Pro Ser Ala Phe Glu Pro Ala  
 165 170 175

Ile Glu Met Gln Lys Ser Val Pro Asn Lys Ala Leu Glu Leu Lys Asn  
 180 185 190

Glu Gln Thr Leu Arg Ala Asp Gln Met Phe Pro Ser Glu Ser Lys Gln  
 195 200 205

Lys Lys Val Glu Glu Asn Ser Trp Asp Ser Glu Ser Leu Arg Glu Thr  
 210 215 220

Val Ser Gln Lys Asp Val Cys Val Pro Lys Ala Thr His Gln Lys Glu  
 225 230 235 240

Met Asp Lys Ile Ser Gly Lys Leu Glu Asp Ser Thr Ser Leu Ser Lys  
 245 250 255

Ile Leu Asp Thr Val His Ser Cys Glu Arg Ala Arg Glu Leu Gln Lys  
 260 265 270

Asp His Cys Glu Gln Arg Thr Gly Lys Met Glu Gln Met Lys Lys Lys  
 275 280 285

Phe Cys Val Leu Lys Lys Lys Leu Ser Glu Ala Lys Glu Ile Lys Ser  
 290 295 300

Gln Leu Glu Asn Gln Lys Val Lys Trp Glu Gln Glu Leu Cys Ser Val  
305 310 315 320

Arg Leu Thr Leu Asn Gln Glu Glu Glu Lys Arg Arg Asn Ala Asp Ile  
325 330 335

Leu Asn Glu Lys Ile Arg Glu Glu Leu Gly Arg Ile Glu Glu Gln His  
340 345 350

Arg Lys Glu Leu Glu Val Lys Gln Gln Leu Glu Gln Ala Leu Arg Ile  
355 360 365

Gln Asp Ile Glu Leu Lys Ser Val Glu Ser Asn Leu Asn Gln Val Ser  
370 375 380

His Thr His Glu Asn Glu Asn Tyr Leu Leu His Glu Asn Cys Met Leu  
385 390 395 400

Lys Lys Glu Ile Ala Met Leu Lys Leu Glu Ile Ala Thr Leu Lys His  
405 410 415

Gln Tyr Gln Glu Lys Glu Asn Lys Tyr Phe Glu Asp Ile Lys Ile Leu  
420 425 430

Lys Glu Lys Asn Ala Glu Leu Gln Met Thr Pro Arg Ala  
435 440 445

<210> 474

<211> 3855

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (2448)...(2631)

<223> 184 bp insert of B726P splice form

<400> 474

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ctagctggcc ctgtgggpat ttattagtaa agttttaatg acaaaagctt tgagtcaaca	120
taacgtggg taattaacot ggtcatcccc accctggaga gccatcctgc ccctgggtga	180
tcaagaagc aacatctgga ggaacacotg atgaggctgc acccttggcg gaaagaacac	240
ctacacagc tgaagcttg gggaaaaaaa tacttgatga ggctgcaccc ttgggtgaaa	300
gaacacotga cagggctgaa agcttggctg aaaaaacacc tgatgaggct gcacccctgg	360
tggagggaac atctgacaaa attcaatgtt tggagaaagc gacatctgga aagttcgaac	420
agtcagcaga agaaacacot agggaaatta cgagtccctgc aaaagaaaca cctgagaaat	480
ttacgtggcc agcaaaaagga agacotagga agatcgcatg ggagaaaaaa gaagacacac	540
ctagggaat tatgagtcoc gcaaaagaaa catctgagaa atttacgttg gcagcaaaag	600
gaagacotag gaagatcgca tgggagaaaa aagaacaccc tgtaaagact ggatgcgttg	660
caagagtaac atctaataaa actaaagttt tggaaaaagg aagatctaag atgattgcat	720

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aagtagaaga	gcctcctaag	aagccatctg	ccttcaagcc	tgcatttgaa	atgcaaaaac	960
ctgttccaaa	taaaagccttt	gaattgaaga	atgaacaaac	attgagagca	gatccgatgt	1020
ccccaccaga	atccaaaacaa	aaggactatg	aagaaaaatt	ttgggattct	gagagtctct	1080
gtgagactgt	ttccacagaag	gatgtgtgtt	taccccaagg	tacacatcaa	aaagaaatag	1140
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cattcagaatc	caaacaaaaag	gaattatgaag	aaagttcttg	ggattctgag	agctctctgtg	1440
agactgtttc	acagaaggat	gtgtgttttac	ccaaggcttc	ccatcaaaaa	gaaatagata	1500
aaataaatgg	aaaatttagaa	gggtctctctg	ttaaagatgg	ctctctgaag	gtcaactggg	1560
gaatgaaagt	ttctatttcca	actaaagcct	tajaattgat	ggacatgcaa	actttcacaag	1620
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caaatcaagg	ccttggaattg	aagaatgaac	aaacattgag	agtagatgag	atactcccat	1740
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ctgtttccaa	gaaggatgtg	tgtttaccca	aggtctctcca	tcaaaaagaa	atagatataa	1860
taaatggaaa	attagaagag	ctctctgata	atgatgggtt	cttgaaggct	ccttgagaa	1920
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ccatgctaaa	actggaaata	gcacacatga	aacaccaata	ccaggaaaag	gaaaataaat	2760
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tcgatattca	ctctcttgag	aggaaaaatgc	aacatcatct	cctaaaaagag	aaaaatgagg	3480
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tcctgaagcc	tacagacata	aaataacagct	gtgaagaatt	acttgctcac	gaattgcata	3780

aagctgcaca ggattcccat ctaccctgat gatgcagcag acatcattca atccaaccag 3840  
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<210> 475

<211> 1002

<212> PRT

<213> Homo sapien

<220>

<221> VARIANT

<222> (1)...(1002)

<223> Xaa = Any Amino Acid

<400> 475

Met	Ser	Pro	Ala	Lys	Glu	Thr	Ser	Glu	Lys	Phe	Thr	Trp	Ala	Ala	Lys
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Gly	Arg	Pro	Arg	Lys	Ile	Ala	Trp	Glu	Lys	Lys	Glu	Thr	Pro	Val	Lys
			20					25					30		
Thr	Gly	Cys	Val	Ala	Arg	Val	Thr	Ser	Asn	Lys	Thr	Lys	Val	Leu	Glu
			35					40					45		
Lys	Gly	Arg	Ser	Lys	Met	Ile	Ala	Cys	Pro	Thr	Lys	Glu	Ser	Ser	Thr
			50			55					60				
Lys	Ala	Ser	Ala	Asn	Asp	Gln	Arg	Phe	Pro	Ser	Glu	Ser	Lys	Gln	Glu
				70						75				80	
Glu	Asp	Glu	Glu	Tyr	Ser	Cys	Asp	Ser	Arg	Ser	Leu	Phe	Glu	Ser	Ser
				95					90					95	
Ala	Lys	Ile	Gln	Val	Cys	Ile	Pro	Glu	Ser	Ile	Tyr	Gln	Lys	Val	Met
			100					105					110		
Glu	Ile	Asn	Arg	Glu	Val	Glu	Glu	Pro	Pro	Lys	Lys	Pro	Ser	Ala	Phe
			115					120					125		
Lys	Pro	Ala	Ile	Glu	Met	Gln	Asn	Ser	Val	Pro	Asn	Lys	Ala	Phe	Glu
			130			135						140			
Leu	Lys	Asn	Glu	Gln	Thr	Leu	Arg	Ala	Asp	Pro	Met	Phe	Pro	Pro	Glu
			145			150				155				160	
Ser	Lys	Gln	Lys	Asp	Tyr	Glu	Glu	Asn	Ser	Trp	Asp	Ser	Glu	Ser	Leu
			165					170					175		
Cys	Glu	Thr	Val	Ser	Gln	Lys	Asp	Val	Cys	Leu	Pro	Lys	Ala	Thr	His
			180					185					190		
Gln	Lys	Glu	Ile	Asp	Lys	Ile	Asn	Gly	Lys	Leu	Glu	Glu	Ser	Pro	Asn
			195				200					205			
Lys	Asp	Gly	Leu	Leu	Lys	Ala	Thr	Cys	Gly	Met	Lys	Val	Ser	Ile	Pro
			210			215					220				
Thr	Lys	Ala	Leu	Glu	Leu	Lys	Asp	Met	Gln	Thr	Phe	Lys	Ala	Glu	Pro
			225			230				235				240	
Pro	Gly	Lys	Pro	Ser	Ala	Phe	Glu	Pro	Ala	Thr	Glu	Met	Gln	Lys	Ser
			245					250						255	
Val	Pro	Asn	Lys	Ala	Leu	Glu	Leu	Lys	Asn	Glu	Gln	Thr	Leu	Arg	Ala
			260					265					270		
Asp	Glu	Ile	Leu	Pro	Ser	Glu	Ser	Lys	Gln	Lys	Asp	Tyr	Glu	Glu	Ser
			275					280					285		
Ser	Trp	Asp	Ser	Glu	Ser	Leu	Cys	Glu	Thr	Val	Ser	Gln	Lys	Asp	Val

290		295		300											
Cys	Leu	Pro	Lys	Ala	Xaa	His	Gln	Lys	Glu	Ile	Asp	Lys	Ile	Asn	Gly
305					310					315					320
Lys	Leu	Glu	Gly	Ser	Pro	Val	Lys	Asp	Gly	Leu	Leu	Lys	Ala	Asn	Cys
				325					330					335	
Gly	Met	Lys	Val	Ser	Ile	Pro	Thr	Lys	Ala	Leu	Glu	Leu	Met	Asp	Met
			340					345					350		
Gln	Thr	Phe	Lys	Ala	Glu	Pro	Pro	Glu	Lys	Pro	Ser	Ala	Phe	Glu	Pro
		355					360					365			
Ala	Ile	Glu	Met	Gln	Lys	Ser	Val	Pro	Asn	Lys	Ala	Leu	Glu	Leu	Lys
370					375					380					
Asn	Glu	Gln	Thr	Leu	Arg	Ala	Asp	Glu	Ile	Leu	Pro	Ser	Glu	Ser	Lys
385					390					395					400
Gln	Lys	Asp	Tyr	Glu	Glu	Ser	Ser	Trp	Asp	Ser	Glu	Ser	Leu	Cys	Glu
			405						410					415	
Thr	Val	Ser	Gln	Lys	Asp	Val	Cys	Leu	Pro	Lys	Ala	Xaa	His	Gln	Lys
			420						425					430	
Glu	Ile	Asp	Lys	Ile	Asn	Gly	Lys	Leu	Glu	Glu	Ser	Pro	Asp	Asn	Asp
		435				440					445				
Gly	Phe	Leu	Lys	Ala	Pro	Cys	Arg	Met	Lys	Val	Ser	Ile	Pro	Thr	Lys
450					455						460				
Ala	Leu	Glu	Leu	Met	Asp	Met	Gln	Thr	Phe	Lys	Ala	Glu	Pro	Pro	Glu
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Lys	Pro	Ser	Ala	Phe	Glu	Pro	Ala	Ile	Glu	Met	Gln	Lys	Ser	Val	Pro
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Met	Phe	Pro	Ser	Glu	Ser	Lys	Gln	Lys	Xaa	Val	Glu	Glu	Asn	Ser	Trp
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Asp	Ser	Glu	Ser	Leu	Arg	Glu	Thr	Val	Ser	Gln	Lys	Asp	Val	Cys	Val
530					535						540				
Pro	Lys	Ala	Thr	His	Gln	Lys	Glu	Met	Asp	Lys	Ile	Ser	Gly	Lys	Leu
545					550					555					560
Glu	Asp	Ser	Thr	Ser	Leu	Ser	Lys	Ile	Leu	Asp	Thr	Val	His	Ser	Cys
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Glu	Arg	Ala	Arg	Glu	Leu	Gln	Lys	Asp	His	Cys	Glu	Gln	Arg	Thr	Gly
		580						585					590		
Lys	Met	Glu	Gln	Met	Lys	Lys	Lys	Phe	Cys	Val	Leu	Lys	Lys	Lys	Leu
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Trp	Glu	Gln	Glu	Leu	Cys	Ser	Val	Arg	Leu	Thr	Leu	Asn	Gln	Glu	Glu
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Glu	Lys	Arg	Arg	Asn	Ala	Asp	Ile	Leu	Asn	Glu	Lys	Ile	Arg	Glu	Glu
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Leu	Gly	Arg	Ile	Glu	Glu	Gln	His	Arg	Lys	Glu	Leu	Glu	Val	Lys	Gln
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Leu Leu His Glu Asn Cys Met Leu Lys Lys Glu Ile Ala Met Leu Lys  
 705 710 715 720  
 Leu Glu Ile Ala Thr Leu Lys His Gln Tyr Gln Glu Lys Glu Asn Lys  
 725 730 735  
 Tyr Phe Glu Asp Ile Lys Ile Leu Lys Glu Lys Asn Ala Glu Leu Gln  
 740 745 750  
 Met Thr Leu Lys Leu Lys Glu Glu Ser Leu Thr Lys Arg Ala Ser Gln  
 755 760 765  
 Tyr Ser Gly Gln Leu Lys Val Leu Ile Ala Glu Asn Thr Met Leu Thr  
 770 775 780  
 Ser Lys Leu Lys Glu Lys Gln Asp Lys Glu Ile Leu Glu Ala Glu Ile  
 785 790 795 800  
 Glu Ser His His Pro Arg Leu Ala Ser Ala Val Gln Asp His Asp Gln  
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 Ile Val Thr Ser Arg Lys Ser Gln Glu Pro Ala Phe His Ile Ala Gly  
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 Asp Ala Cys Leu Gln Arg Lys Met Asn Val Asp Val Ser Ser Thr Ile  
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 Tyr Asn Asn Glu Val Leu His Gln Pro Leu Ser Glu Ala Gln Arg Lys  
 850 855 860  
 Ser Lys Ser Leu Lys Ile Asn Leu Asn Tyr Ala Gly Asp Ala Leu Arg  
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 Glu Asn Thr Leu Val Ser Glu His Ala Gln Arg Asp Gln Arg Glu Thr  
 885 890 895  
 Gln Cys Gln Met Lys Glu Ala Glu His Met Tyr Gln Asn Glu Gln Asp  
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 Asn Val Asn Lys His Thr Glu Gln Gln Glu Ser Leu Asp Gln Lys Leu  
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 Ala His Lys Lys Ala Asp Asn Lys Ser Lys Ile Thr Ile Asp Ile His  
 945 950 955 960  
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 965 970 975  
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&lt;210&gt; 476

&lt;211&gt; 356

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 476

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<400> 477

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<210> 478  
 <211> 505  
 <212> PRT  
 <213> Homo sapien

<400> 478

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      20             25             30
Arg Gly Ile Ser Cys Tyr Arg Gly Leu Thr Gly Gly Phe Gly Ser His

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Ser	Val	Cys	Gly	Gly	Phe	Arg
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Tyr	Arg	Ser	Gly	Gly	Val	Cys
65					70	
Val	Ser	Val	Asn	Glu	Ser	Leu
			85			90
Pro	Asn	Ala	Gln	Cys	Val	Lys
			100			105
Leu	Asn	Ser	Arg	Phe	Ala	Ala
			115			120
Gln	Gln	Asn	Lys	Leu	Leu	Glu
			130			135
Glu	Cys	Cys	Gln	Ser	Asn	Leu
145					150	
Thr	Leu	Arg	Arg	Glu	Ala	Glu
					165	
Ala	Ser	Glu	Leu	Asn	His	Val
			180			185
Lys	Tyr	Glu	Glu	Glu	Val	Ser
			195			200
Val	Ala	Leu	Lys	Lys	Asp	Val
			210			215
Leu	Glu	Ala	Asn	Val	Glu	Ala
225					230	
Arg	Leu	Tyr	Glu	Glu	Glu	Ile
					245	
Thr	Ser	Val	Val	Val	Lys	Leu
					260	
Cys	Ile	Ile	Ala	Glu	Ile	Lys
			275			280
Ser	Arg	Ala	Glu	Ala	Glu	Ser
			290			295
Lys	Ala	Thr	Val	Ile	Arg	His
305					310	
Glu	Ile	Asn	Glu	Leu	Asn	Arg
					325	
Glu	Asn	Ala	Lys	Cys	Gln	Asn
			340			345
Ser	Glu	Gln	Gln	Gly	Glu	Ala
			355			360
Ala	Glu	Leu	Glu	Gly	Ala	Leu
			370			375
Leu	Ile	Arg	Glu	Tyr	Gln	Glu
385					390	
Ile	Glu	Ile	Ala	Thr	Tyr	Arg
			405			410
Leu	Cys	Glu	Gly	Ile	Gly	Ala
			420			425
Gly	Gly	Val	Val	Cys	Gly	Asp
			435			440

Thr Gly Ser Val Cys Ser Ala Pro Cys Asn Gly Asn Val Ala Val Ser  
 450 455 460  
 Thr Gly Leu Cys Ala Pro Cys Gly Gln Leu Asn Thr Thr Cys Gly Gly  
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 485 490 495  
 Ser Cys Gly Ser Ser Cys Arg Lys Cys  
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<210> 479

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(221)

<223> n = A,T,C or G

<400> 479

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